SONY® VIDEOCASSETTE PLAYER

BVW-22P



BETACAM SP

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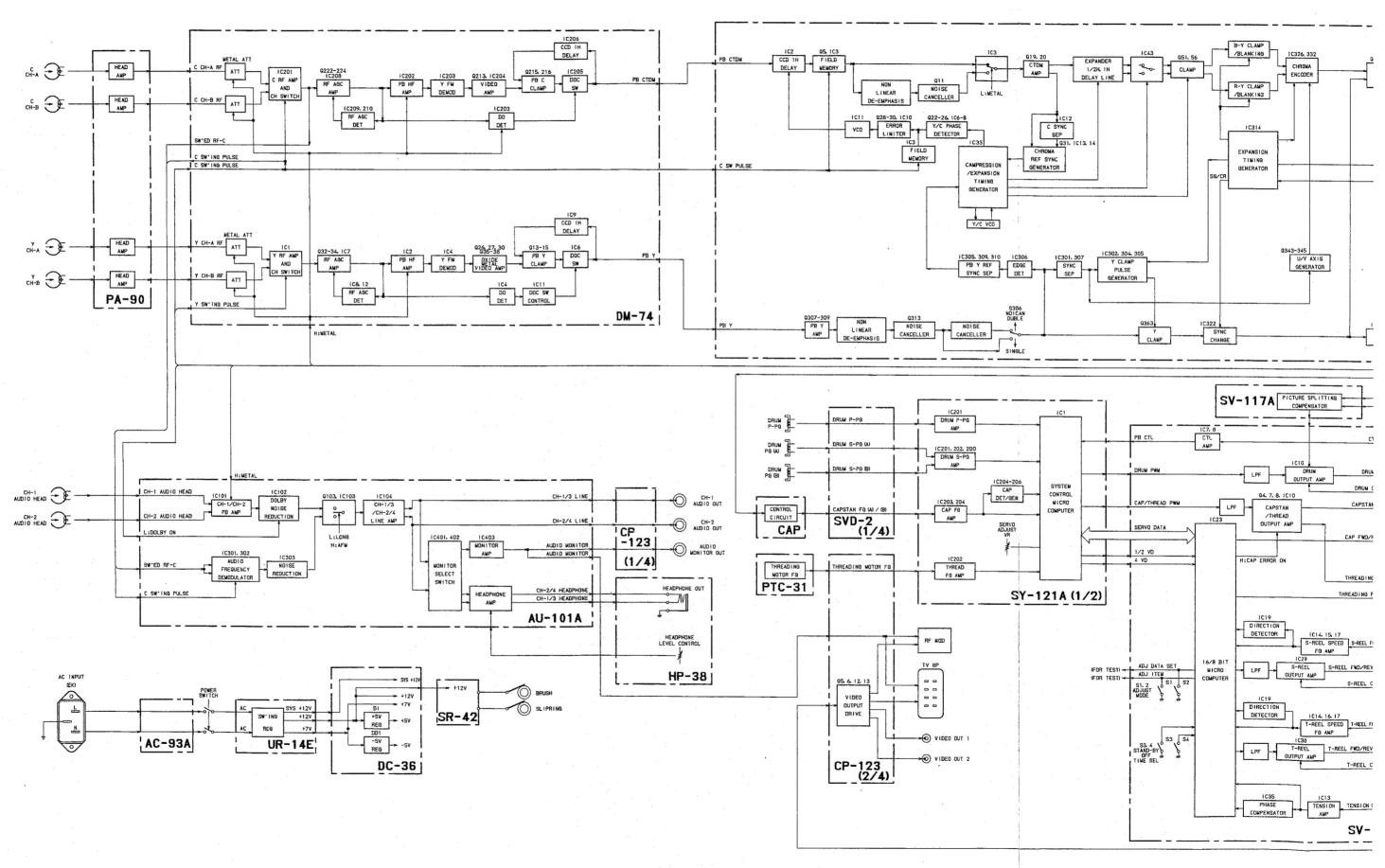
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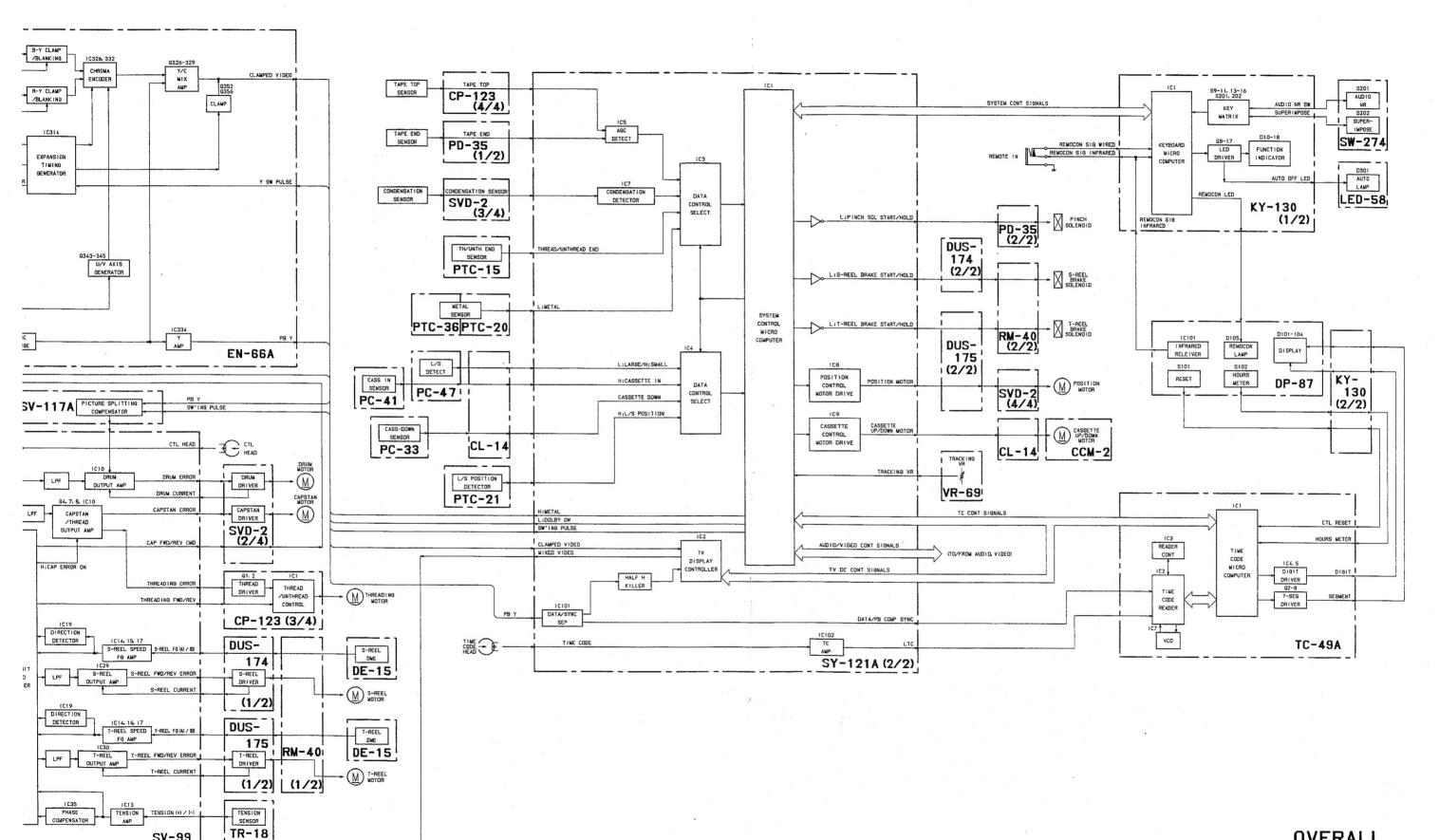
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SECTION 13 BLOCK DIAGRAMS

OVERALL

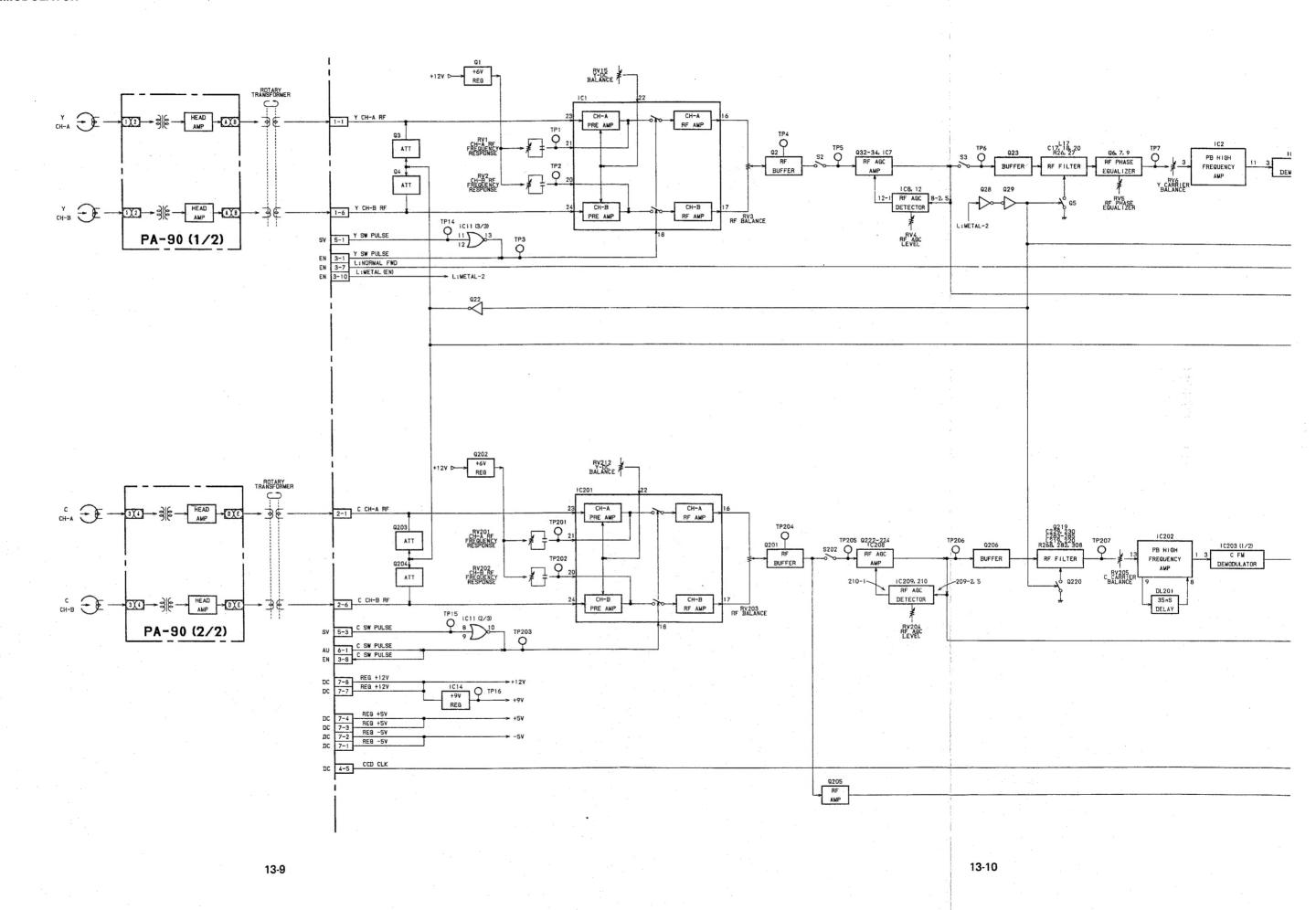


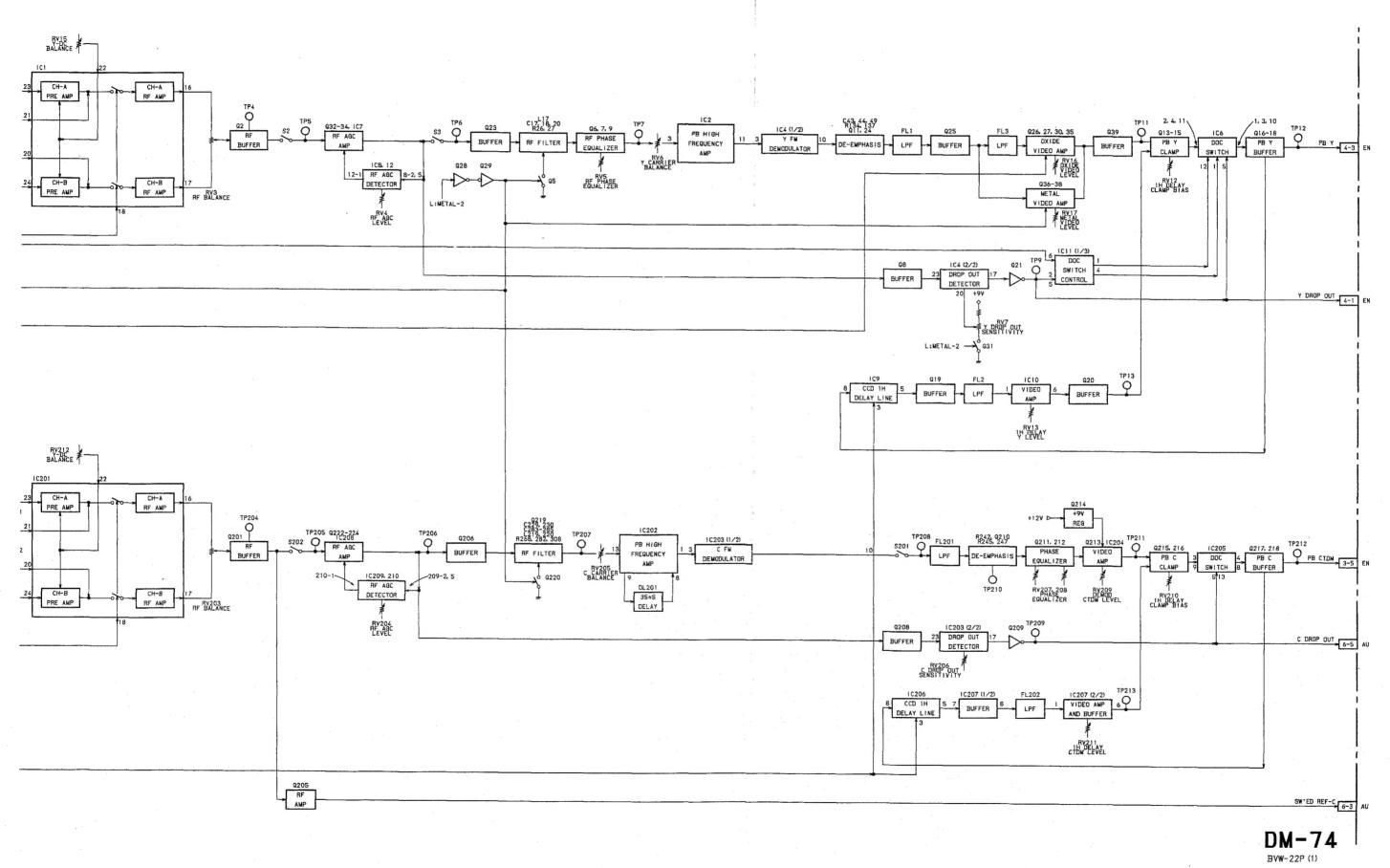


OVERALL

SV-99

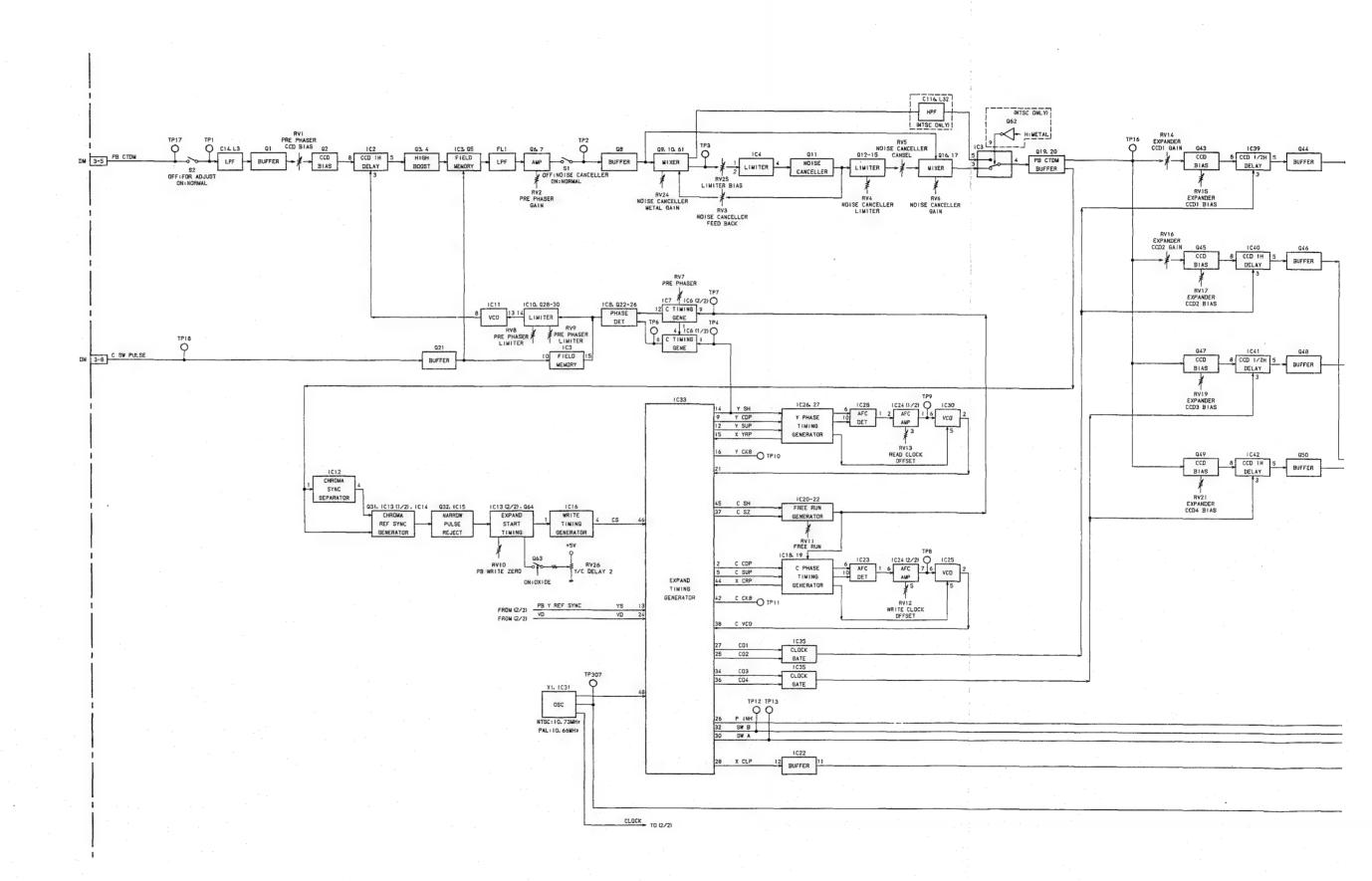
Y/C DEMODULATOR

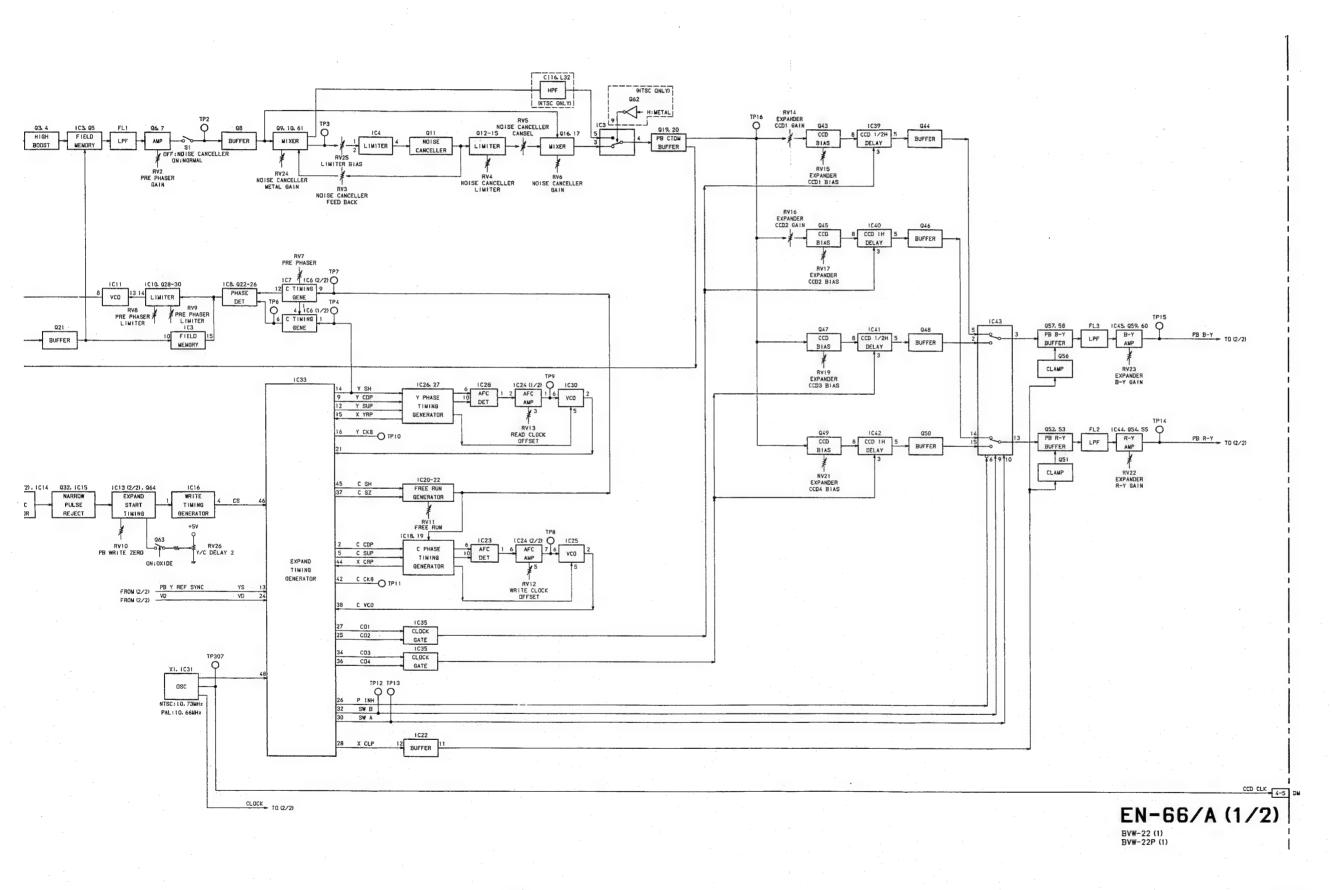




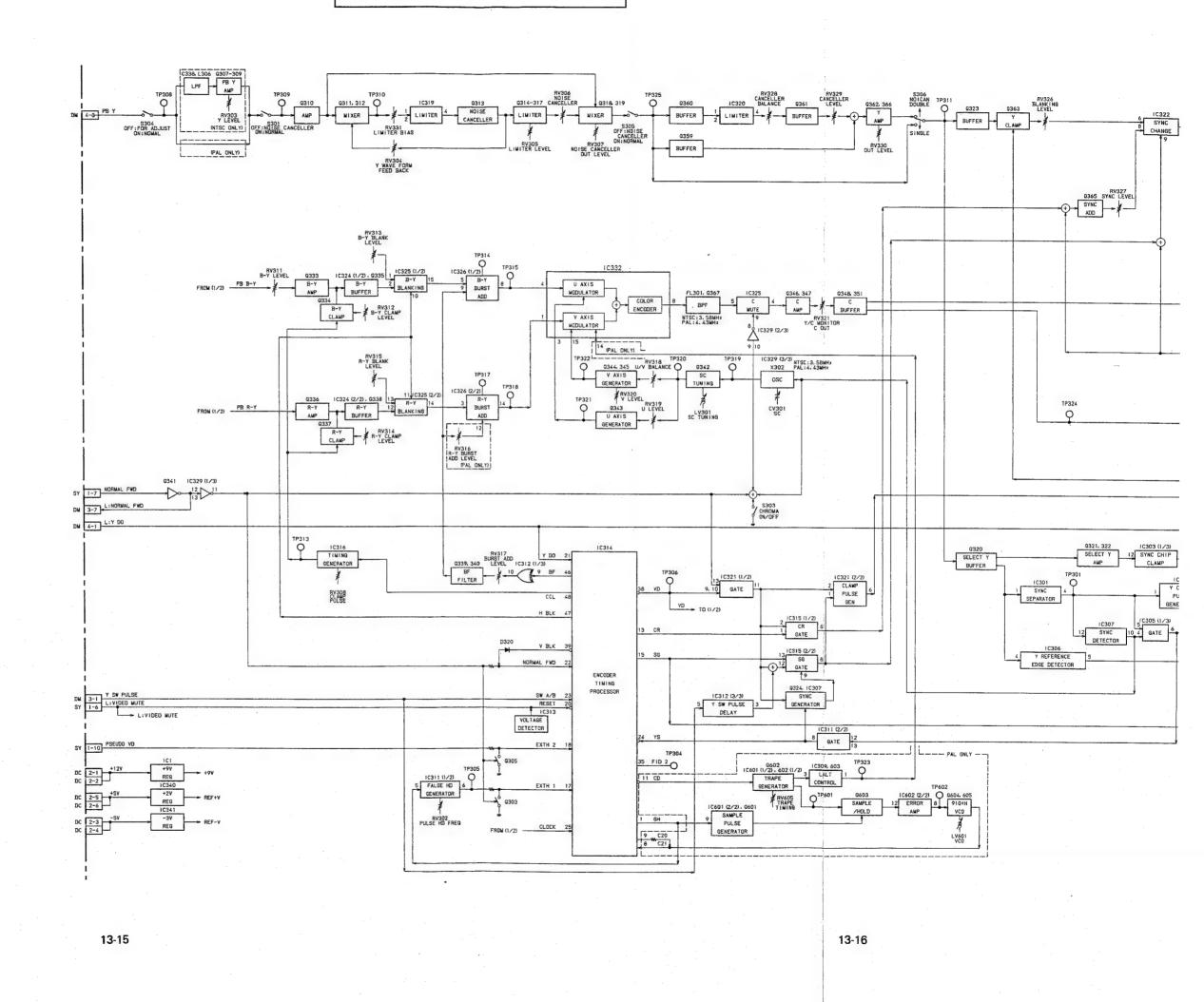
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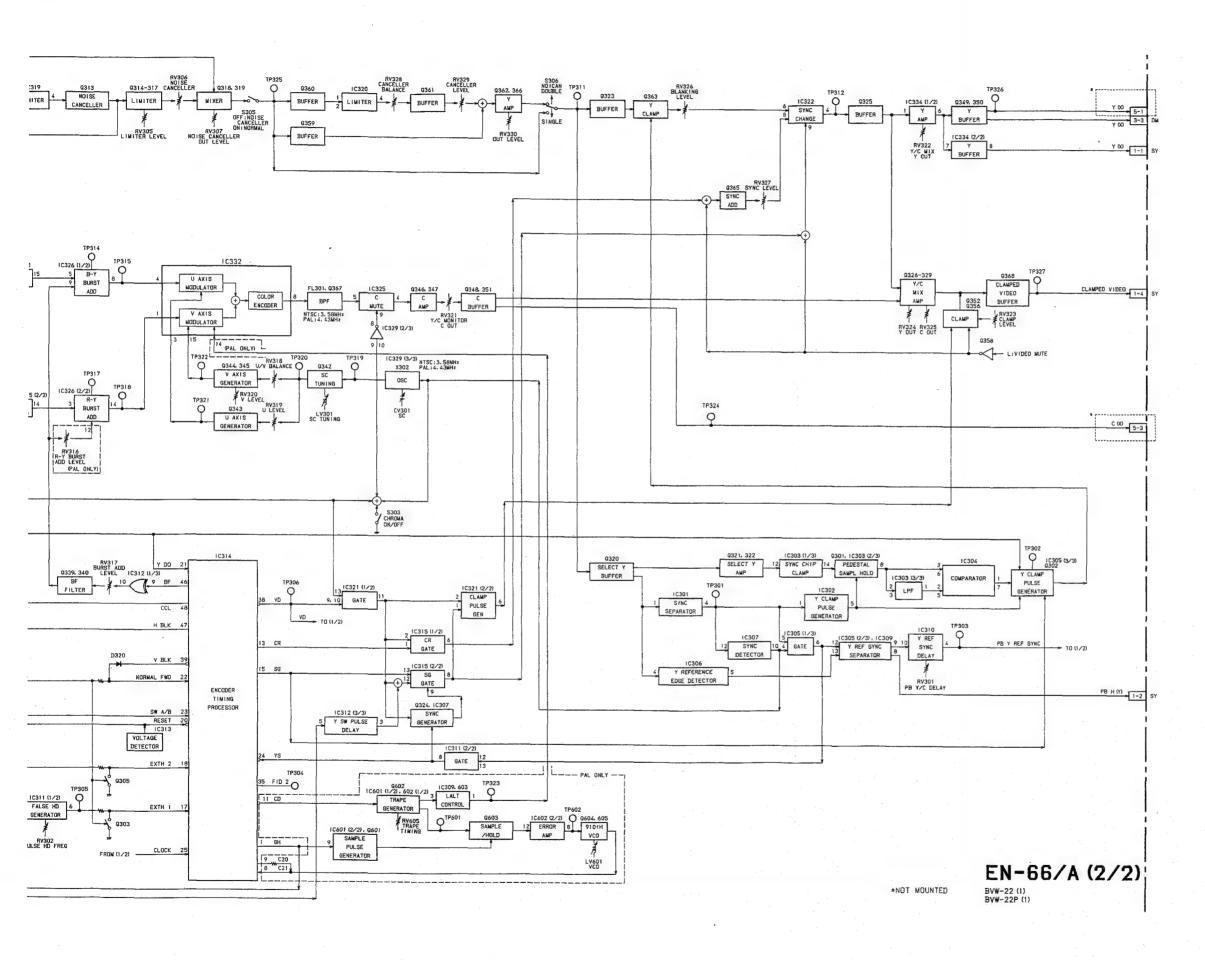
EXPAND ENCODE

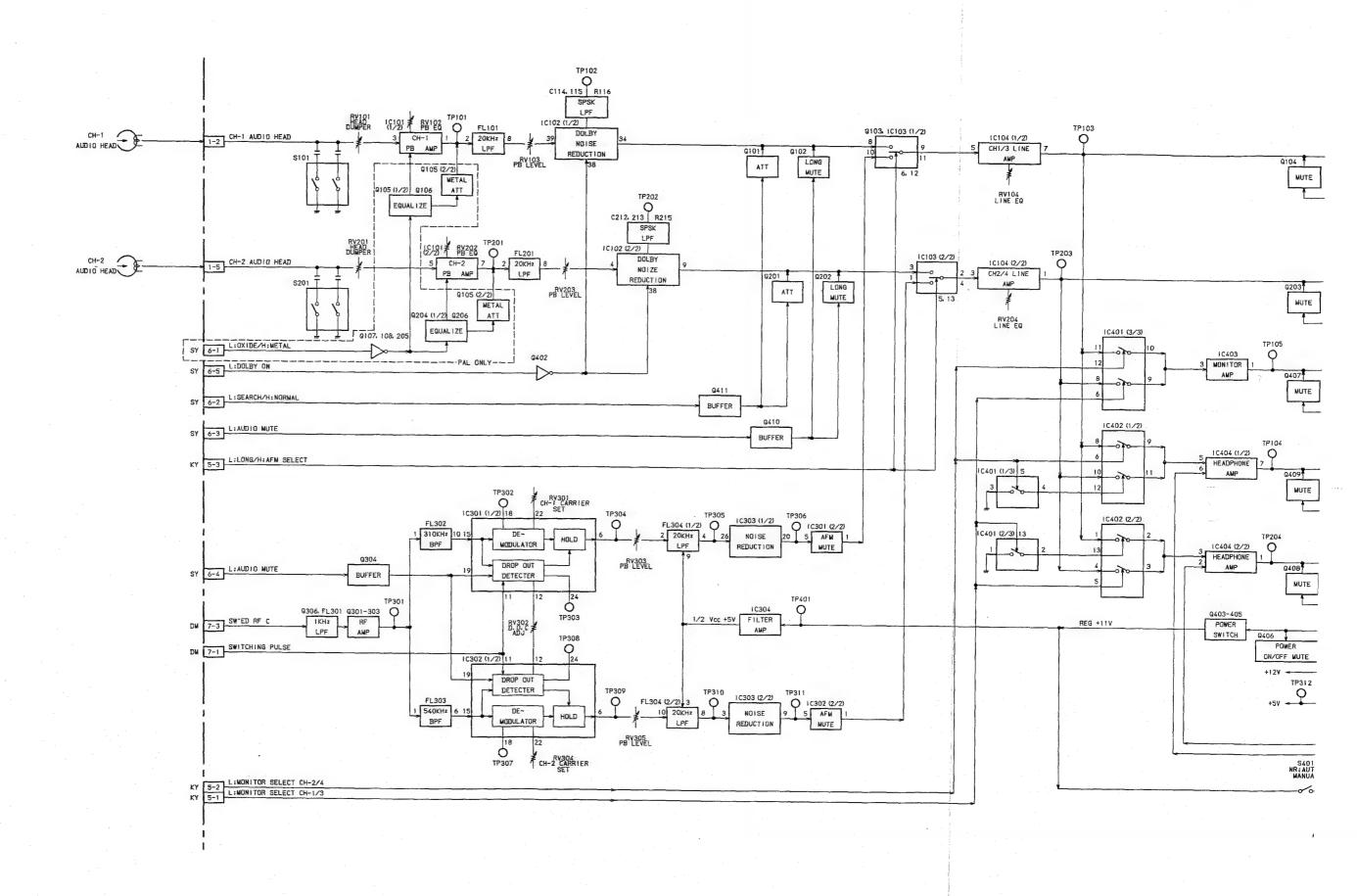


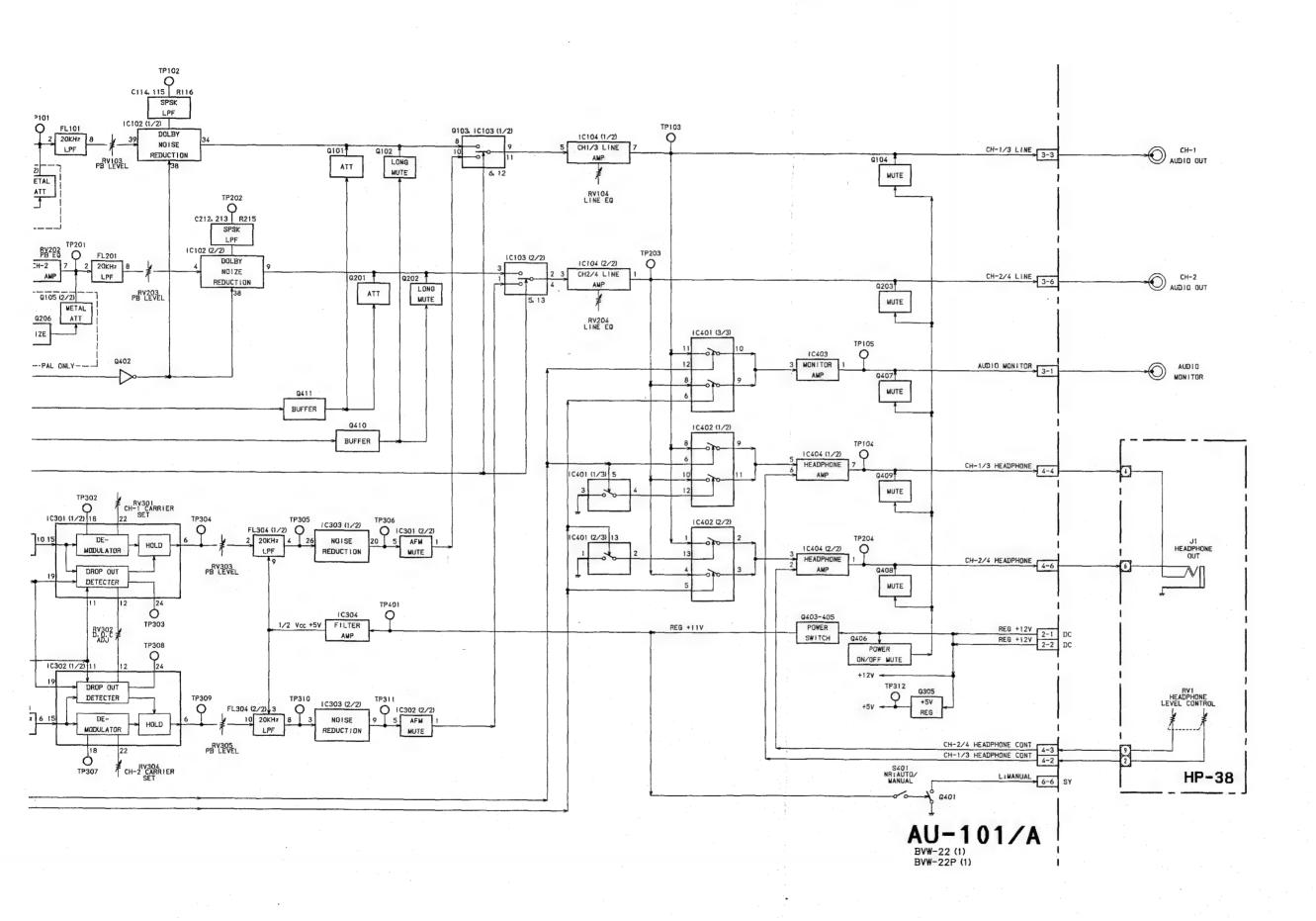


EXPAND ENCODE

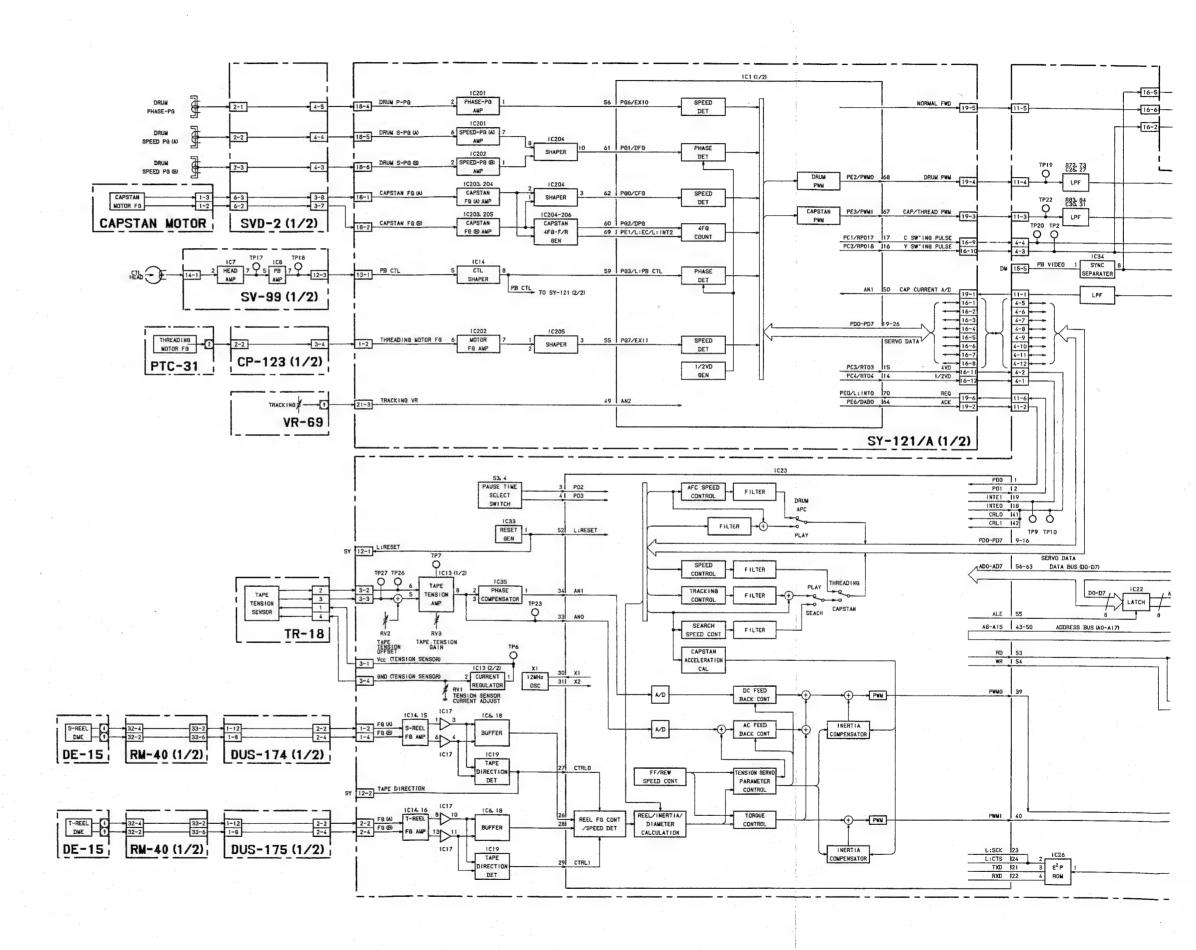


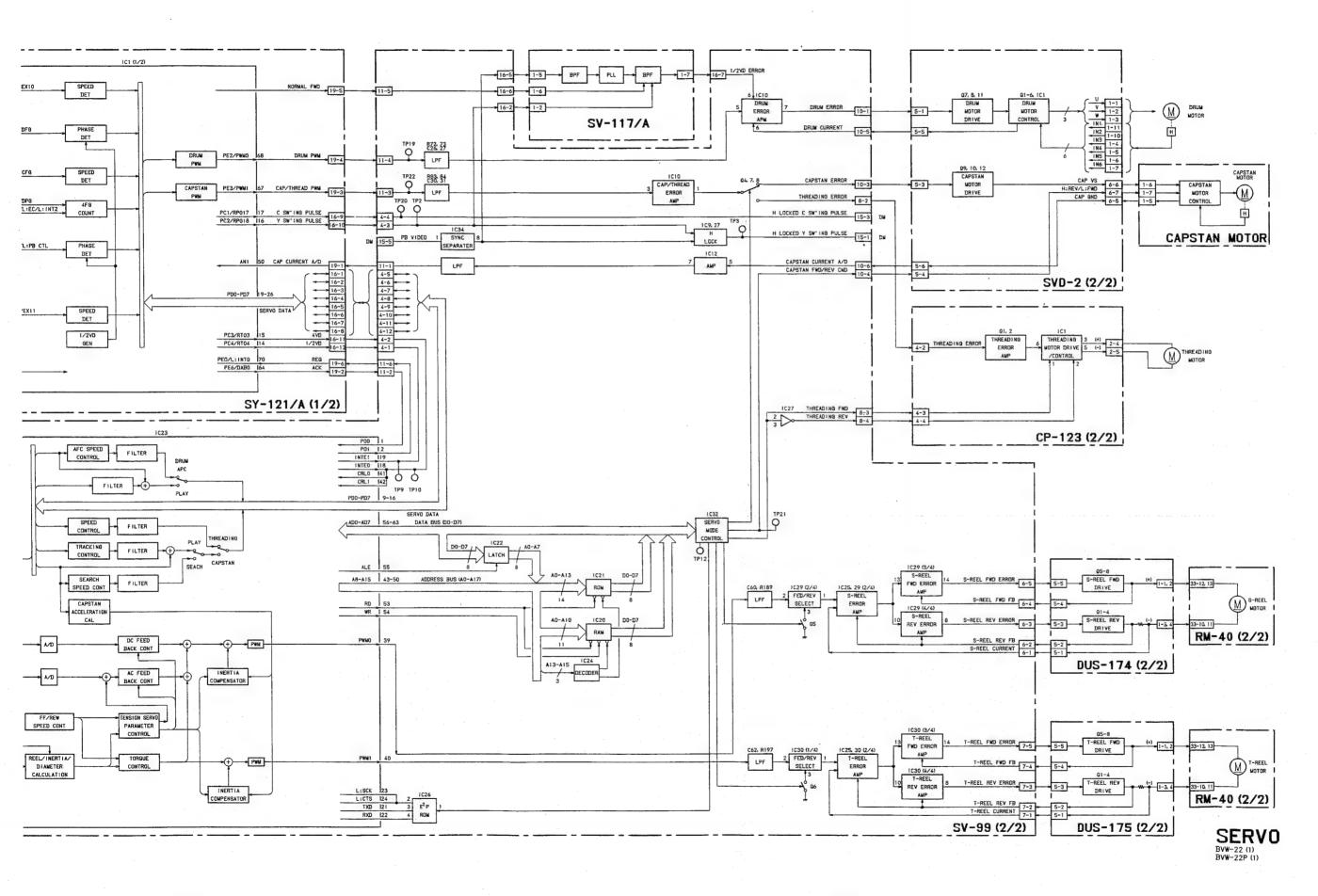


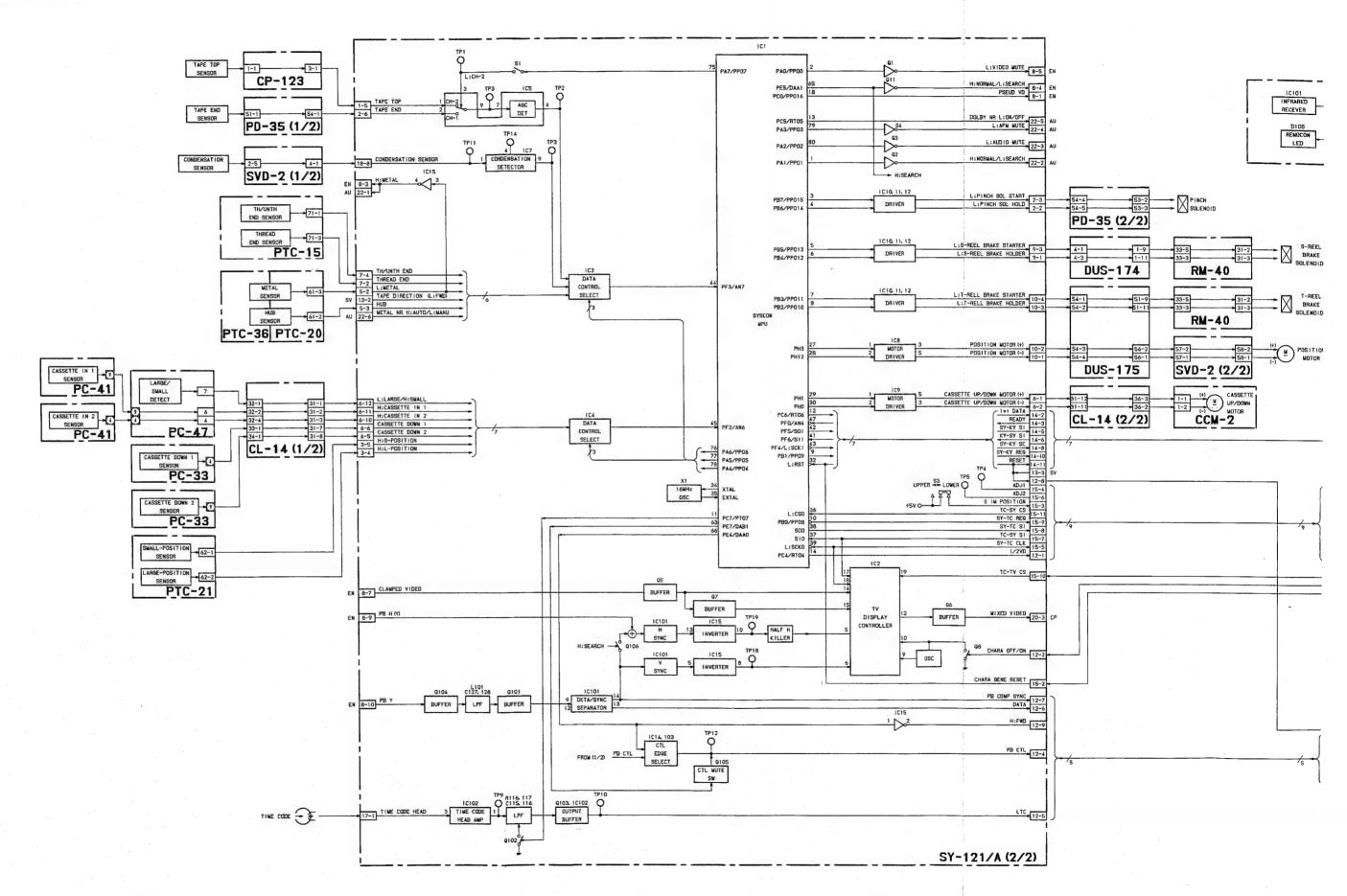


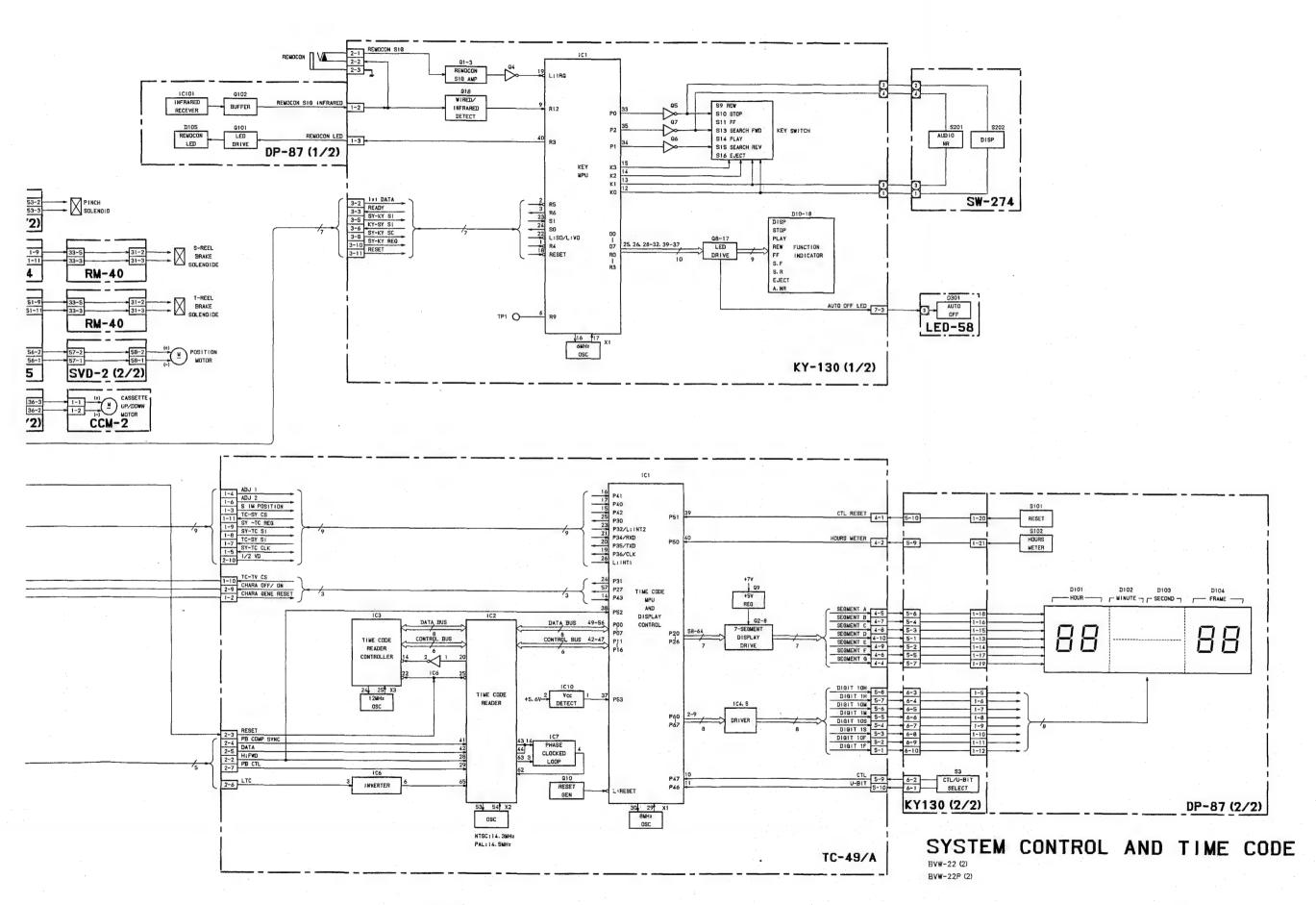


DRUM/CAPSTAN/REEL SERVO









SECTION 14 SEMICONDUCTOR ELECTRODES

ここに記載されている IC, トランジスタ, ダイオードは, それぞれの機能を等価的に表わしたものです。したがって互換性を表わすものではありません。(互換性のない型名が併記されている事もあります。)部品の交換をする時は, SPARE PARTS の章を参照して下さい。

ICs, transistors and diodes whoses functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

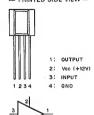
IC	PAGE	IC	PAGE	IC	PAGE
AN608	P14-3	NJM2043	D-D14-12	TC74HC	139P14-15
AN639	INK14-3	NJM2903I	D14-12		151P14-16
		NJM45561	D14-12	TC74HC	32P14-16
BX1140)14-3	NJM4558I	D-D14-12	TC74HC	373P14-16
BX1461	14-3	NJM45601	DD14-12	TC74HC	4050P14-16
BX343	14-3	NJM45621	D-D14-12	TC74HC	74P14-16
BX3891		NJM78L02	2A14-12	TC74HC	86P14-16
		NJM78L05	5A14-12	TC74HC	U04P14-16
CX134	· · · · · · · · · · · · 14-3	NJM78M0	9A14-12	TL082CF	14-16
CX2000)414-4	NJM79L03	3A14-13	TL084C	N 14-18
CX2014	1814-4				
CX2015	5814-4	PA0009	14-13	μPC319	C14-18
CX2018	3814-4			μPC324	C14-18
CX2201	.714-5	S-8053ALF	R14-13		C14-18
CX2308	3414-5	S-8054ALF	R14-13	μPC455	BC14-12
CX7947	714-6	SI-3052V	14-13	μPD783	10CW14-17
CX7993	3A14-6	SN16913F	14-13		
CX877	14-6	SN74LS12	3N14-13		
CXL500	1P14-7	SN74LS22	21N 14-13		
CXL500	2P14-7	SN74LS62	24N 14-14		
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CXK581	6PN-12L14-8	TA7060AF	· · · · · · · · · · 14·14		
		TA7267P	14-14		
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		TC4030BF	14-14		
LA7205	14-8	TC4052BF	PHB14-14		
		TC4053BF	14.14		
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M5451	5P14-9	TC4069UE	3P14-15		
M54523	3P14-9	TC4071BF	14-15		
M54532	2P14-9	TC4538BF	14-15		
MB883	23A14-10	TC4538BF	14-15	t .	
MB885	05P14-10	TC504013	BBP14-15		
MBM27	128-2514-11	TC74HC00)F14-15		
	C4051S14-12	TC74HC00	P14-15		
MN74H	C4066S14-12	TC74HC02	P14-15		

等価回路は IC メーカーの Data Book に従いました。

The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

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2SA1115	14-18	10E-2	14-19
2SA1162	14-18	1\$2835	14-19
2SA1175	14-18	1S2837	14-19
2SA1226	14-18	188119	14-19
2SA844	14-18	188123	14-19
2SB1140	14-18	1SS99	14-19
2SB733	14-18	1T33	14-19
2SC2223	14-18		
2SC2458	14-18	EBR3402S	14-19
2SC2712	14-18		
2SC2714	14-18	GL5HD5	14-19
2SC2715	14-18	GL5HS42	14-19
2SC2785	14-18	GP2S05	14-19
2SC2878	14-18		
2SC3326		LB402VK	14-19
2SC403SP	14-18		
2SD1276A	14-18	RD??EB?	14-19
2SD1685	14-18	RD??EL?	14-19
2SK209		RD??ESB?	14-19
2SD773	14-18	RD??ESL?	14-19
2SK523	14-19	RD??M	14-19
2SK94	14-18		
		SE310	14-19
DTA114EK			
DTA124ES		TLG255	14-19
DTA144ES		TLP801A	14-19
DTC124ES	14-19		
DTC144ES	14-19		
DTC144EK	14-19		
PH110	14-19		
TX429M	1410		
1747AAIN	14-19		

AN608P (MATSUSHITA) WIDE BAND AMPLIFIER — PRINTED SIDE VIEW —



AN6391 NK (MATSUSHITA) AUDIO FM REC/PB AMP

— TOP VIEW —

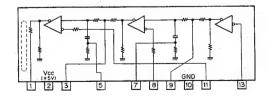
28 27 26 25 24 23 22 21 20 19 18 17 16 15 0 Vcc (+5V)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 AGC NF 26 27 AGC AMP LINE POWER AGC DET MUTE O AGC DET 28 EARPHONE LINE REC/PB/MUTE CONTROL REC/PB CONT. 24 MUTE 19 MUTE AMP + HOLD + BUFF HOLD 7 30Hz PG 11 X5 D.O.C ADJ. 12 MMV D.O.C DET. 13 TPG(2) DOC RF AMP FM DEMOD LIMIT RF IN 15 FM DEM 17 20 FM BUFF VCO fo

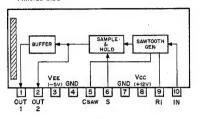
BX1140 (SONY) HF AMP — REAR VIEW —

FM MOD 21

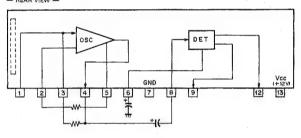
BUFF REC



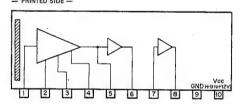
BX1461 (SONY)
PHASE DETECTOR
— PRINTED SIDE —



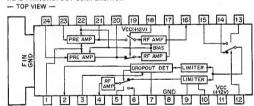
BX343 (SONY)
OSCILLATOR/DETECTOR
— REAR VIEW —

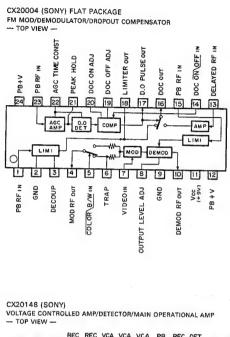


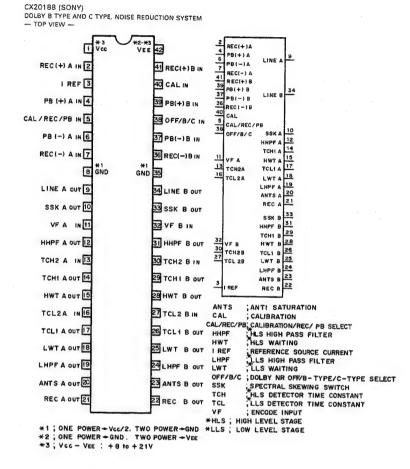
BX389L (ROHM) VIDEO AMPLIFIER — PRINTED SIDE -



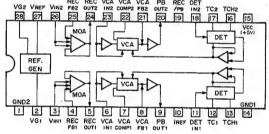
CX134A (SONY)
HEAD AMP/DROPOUT COMPENSATOR
— TOP VIEW —

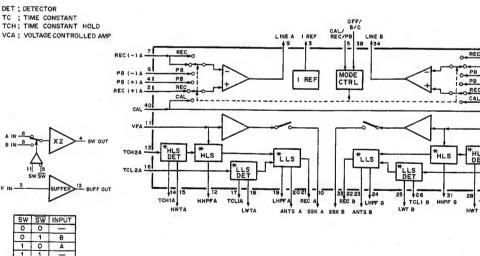


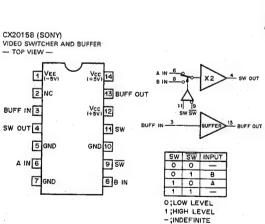




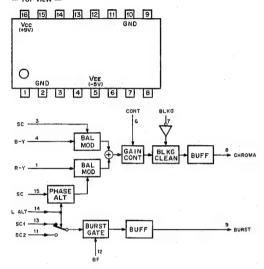
\$39 \$41 PB(+)B



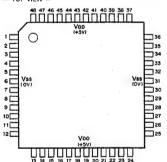




CX22017 (SONY)
VIDEO SIGNAL PROCESSOR
--- TOP VIEW ---

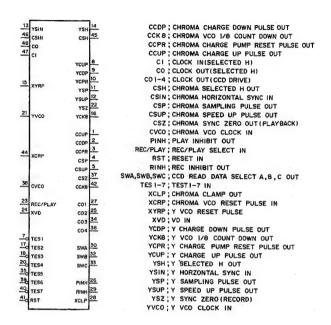


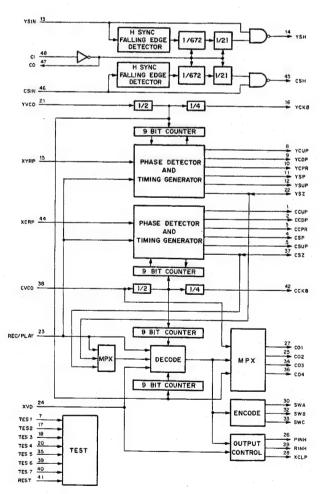
CX23084 (SONY) FLAT PACKAGE
C-MOS TIMING GENERATOR/CCD CLOCK GENERATOR
TOP VIEW —



PIN ASSIGNMENT

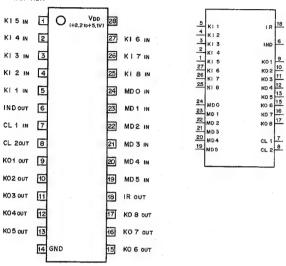
PIN	IN	out	SYMBOL	PIN	IN	OUT	SYMBOL	PIN	iN	OUT	SYMBOL	PIN	IN	OUT	SYMBOL
1		0	CCUP	13	0		YSIN	25		0	COS	37	0	0	CSZ
2		0	CCDP	14		0	YSH	26		0	PINH	38	0		CVCO
3		0	CCPR	15	0		XYRP	27		0	COIK	39	0		TES 6
4		0	CSP	16		0	YCK8	28		0	XCLP	40	0		TES 7
5		0	CSUP	17	0		TES 2	29		0	RINH	41	O		RST
6			Vss	18	0		TES 3	30		0	SWA	42		0	CCK 8
7	0		TES 1	19			VDD	31			Vss	43		Ι	Voo
8		0	YCUP	20	0		TES 4	32		0	SWB	44	0		X CRP
9		0	YCDP	21	0		YVCO	33		0	SWC	45		0	CSH
10		0	YCPR	22	0	0	YSZ	34		0	CO 3	46	0		CSIN
11		0	YSP	23	0		REC/PLAY	35	0		TES 5	47		0	CO -
12		0	YSUP	24	0		XVD	36		0	CO4	48	0		C}





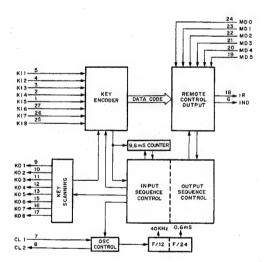
IC

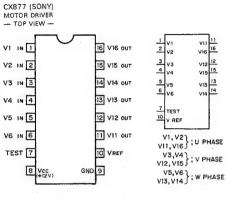
> CX7947 (SONY) FLAT PACKAGE C-MOS STANDARD CODE GENERATOR FOR INFRARED REMOTE CONTROL SYSTEM - TOP VIEW -

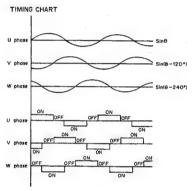


CL 1; EXTERNAL OSC IN CL 2; OSC OUT IND; INDICATION OUT

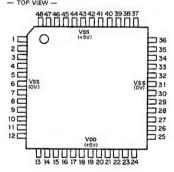
IR; REMOTE CONTROL OUT
KI1-KI 8; KEY MATRIX IN
KO1-KO 8; KEY MATRIX OUT
MD0-MD5; MODE SELECT (WORD CODE) IN





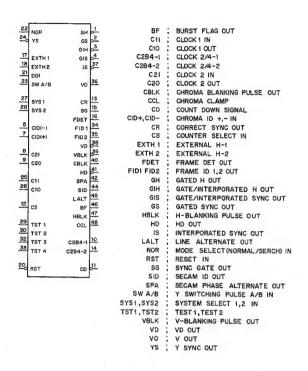


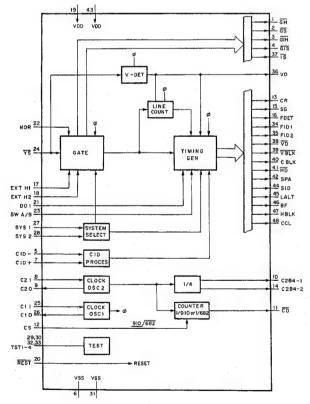
CX7993A (SONY) FLAT PACKAGE C-MOS TIMING GENERATOR — TOP VIEW —

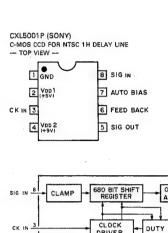


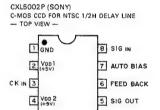
PIN ASSIGNMENT

PIN	IŅ	OUT	SYMBOL	PIN	1N	out	SYMBOL	PIN	IN	ост	SYMBOL	PIN	IN	our	SYMBOL
1		0	GH	13		0	CR	25	0		C11	37		0	TS
2		0	ĞŜ	14		0	C2B4-2	26		0	C10	38	_	0	VD
3		0	GIH	15		0	SG	27	0		SYS I	39		0	VBLK
4		0	GIS	16		0	FDET	28	0		SYS 2	40		0	CBLK
5	0		CID -	17	0		EXTH 1	29			T1.	41		0	HD
6			VSS	18	0		EXTH2	30			T2	42		0	SPA
7	0		CID+	19			Voo	31			Vss	43			VDD
8	0		C21	20	0		RST	32			T3	44		0	SID
9		0	C20	21	0		DOI.	33			T4.	45		0	LALT
10		0	C2B4-1	22	0		NOR	34		0	FID 1	46		0	BF
11		0	ĈĐ	23	0		SW A/B	35		0	FID2	47		0	HBLK
12	0		CS	24	0		YS	36		0	VO	48	-	0	CCL



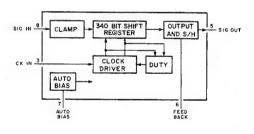




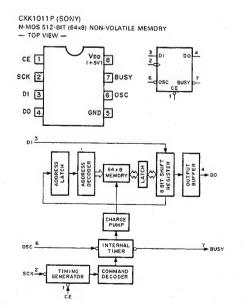


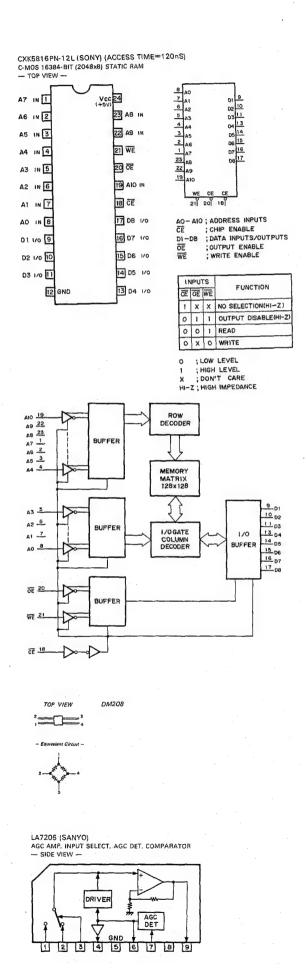
AUTO BIAS

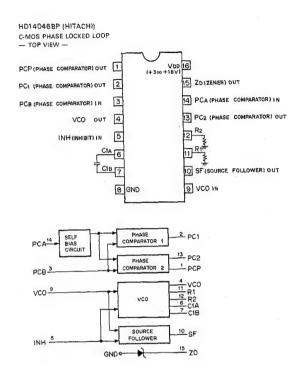
> AUTO BIAS

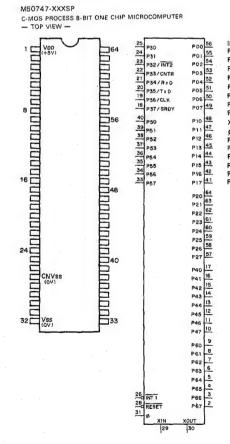


FEED BACK

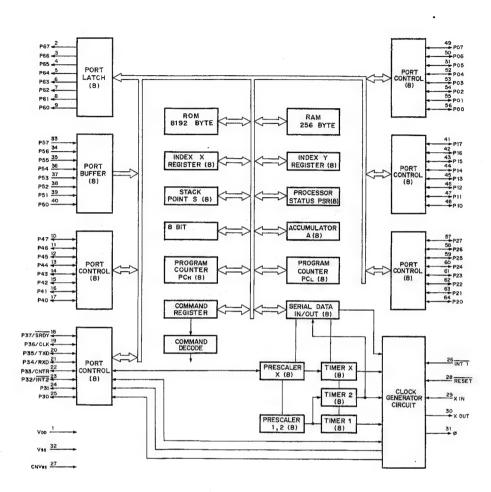






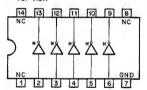


INT 1 ; INTERRUPT 1 IN POOPOT P10-P17; P20-P27; 8 BIT I/O PORT P30-P37; P40-P47; P50-P57; 8 BIT I/O PORT P60-P67; 8 BIT OUT PORT RESET ; RESET IN ("L) X IN/OUT ; CLOCK IN/OUT P32/INT2; PORT/NTERPU2 IN/OUT P33/CNTR; PORT/CONTROL IN/OUT P34/RXO; RECEIVED DATA P36/CLK; PORT/CLOCK IN/OUT P37/SRDY; SERIAL IN READY

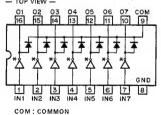


M54516P (MITSUBISHI)
INVERTER WITH OPEN-COLLECTOR
(DARLINGTON-CONNECTED TRANSISTOR ARRAY)

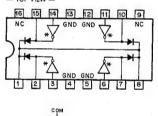
— TOP VIEW —

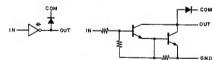


M54523P (MITSUBISHI)
BIPOLAR TRANSISTOR ARRAY WITH OPEN COLLECTOR
— TOP VIEW —



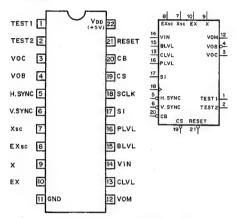
M54532P (MITSUBISHI)
DARLINGTON TRANSISTOR ARRAY WITH CLAMP DIODE
--- TOP VIEW ---





MB88323A (FULIITSU) CMOS PROGRAMMABLE TV DISPLAY CONTROLLER

TOP VIEW —



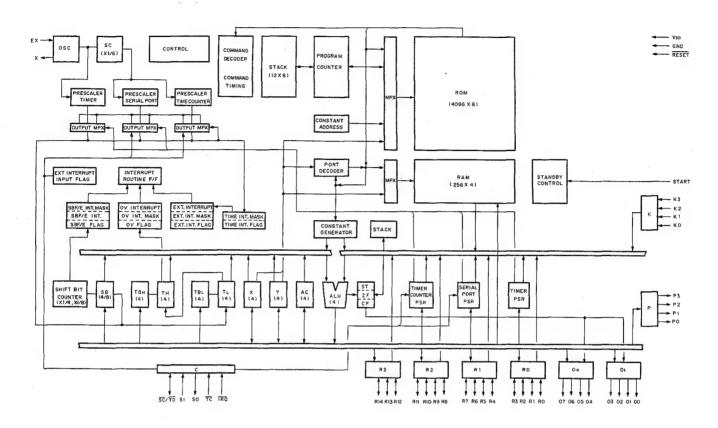
BORDER OR BACKGROUND ANALOG LEVEL INPUT BLVL COLOR BURST DETECTION INPUT CHARACTER ANALOG LEVEL INPUT CHIP SELECT INPUT CB cs CS (CHIP SELECT INPUT
EX DOT CLOCK INPUT
EXsc (COLOR BURST CLOCK INPUT
SERIAL DATA INPUT
TEST1 (CHIP TEST OUTPUT
TEST2 ((NORMALLY SET TO OPEN) BORDER OR BACKGROUND SIGNAL OUTPUT ;CHARACTER SIGNAL OUTPUT ;VIDEO/CHARACTER/BORDER OR BACKGROUND MIX OUTPUT VOR VOC VOM

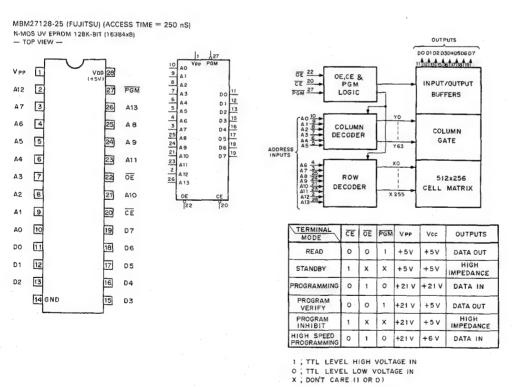
DOT CLOCK OUTPUT

COLOR BURST CLOCK OUTPUT

POSITION POSITION REGISTER DISPLAY TEST 1 TIMIN 12 MOV H. SYNC 5 15 BLVL 13 CLVL 14 VIN 16 PLVL 20 CB

> M888505 P (FUJITSU) C-MOS 4-BIT ONE-CHIP MICROCOMPUTER — TOP VIEW — 15 14 K2 13 K1 12 K0 41 START IN R5 1/0 2 R6 1/0 3 40 R3 1/0 11 R14
> 10 R13
> 9 R12
> 8 R11
> 7 R10
> 6 R9
> 5 R8
> 4 R7
> 3 R6
> 2 R5
> 1 R7
> 40 R3
> 39 R2
> 36 R1
> 37 R0 07 32 06 31 05 30 04 29 03 27 02 26 01 25 39 R2 I/O R8 1/0 38 R1 I/O 37 RO 1/0 R9 1/0 6 RI01/0 7 36 P3 OUT 35 P2 OUT R11 1/0 8 R121/0 9 34 P1 OUT RI31/0 10 33 PO OUT 23 SI 22 SC/TO 20 TC 19 IRQ 32 07 OUT 50 31 06 out 12 30 05 OUT 13 41 K2 IN 14 29 04 001 18 RESET 15 28 03 OUT 16 27 O2 OUT EX IN EXTERNAL CLOCK IN IRQ INTERRUPT REQUEST IN 4-BIT PARALLEL IN 4-BIT PARALLEL OUT 17 26 01 out X IN KO-K3 00-07 OO-O7 ,
> PO-P3 : 4-BIT PARALL
> RO-RI4 : DATA IN/OUT
> RESET : RESET IN
> SC/TO : SHIFT CLOCK IN/INT TIMING OUT
> SI : SERIAL DATA IN
> ' SERIAL DATA OUT
> SERIAL DATA OUT
> COMMITTED
> COUNTIL RESET IN 18 25 00 out TRQ IN 19 24 SO OUT 20 23 SI IN 22 SC/T01/0 21 START : STANDBY OFF IN EXTERNAL CLOCK IN FOR COUNTER CLOCK OUT

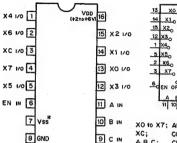




MN74HC4051S (MATSUSHITA)

C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER

— TOP VIEW —

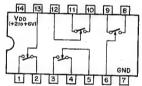


3 XO	CON	TRO	L INF	UTS	
4 X1	EN	SE	LEC	Ť	SELECTED
5 X2	-14	С	В	A	CHAMINEL
2 X3	0	0	0	0	XO
1 X4 ₀ XC 3	0	0	0	. 1	X 1
5 X5	0	0	1	0	X 2
2 X6	0	0	1	1	х3
3 X7	0	1	0	0	X 4
	0	1	0	1	X 5
GEN OPEN	0	.1	1	0	X 6
A B C	0	1	1	1	X7
11 10 9	1	Х	X	Х	OPEN
				_	

* V00 - Vss = +3 to +12v

XO 10 X7; ANALOG INPUTS/OUTPUTS 1; HIGH LEVEL XC; COMMON INPUT/OUTPUT A,B,C; CHANNEL SELECT INPUT EN; ENABLE INPUT

MN74HC4066S (MATSUSHITA) C-MOS BILATERAL ANALOG SWITCH





O OFF
4 011
1 ON

NJM2043D-D (JRC) OPERATIONAL AMPLIFIER

— TOP VIEW —



NJM2903D (JRC) VOLTAGE COMPARATOR

— TOP VIEW —



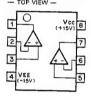
NJM4556D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



NJM4558D-D (JRC) uPC4558C (NEC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



NJM4560DD (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —

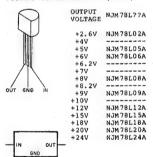


NJM4562D-D (JRC) OPERATIONAL AMPLIFIER

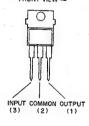
TOP VIEW —



NJM78L ? ?A (NEC)
POSITIVE VOLTAGE REGULATOR (100mA)



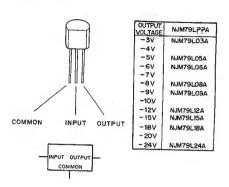
NJM78M ? ?A (JRC)
POSITIVE VOLTAGE REGULATOR (500mA)
— FRONT VIEW —

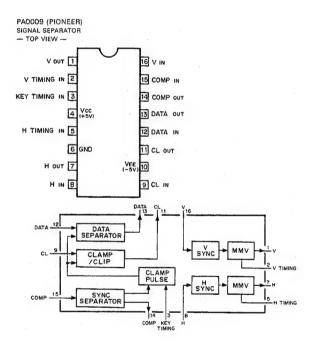


NJM78M05A 8V 9V NJM78M06A NJM78M08A NJM78M09A 12V 15V NJM78M12A NJM78M15A 18V NJM78M18A 20V NJM78M2OA 24V NJM78M24A

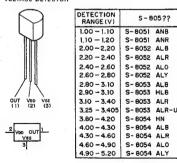
PUT OUTPU

NJM79L ? ?A (JRC) NEGATIVE VOLTAGE REGULATOR (100mA) — FRONT VIEW —

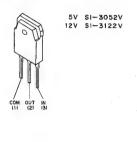




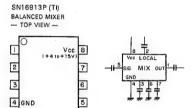
S-805 ? ? (SEIKO I AND E) VOLTAGE DETECTOR



SI-3052V (SANKEN) POSITIVE VOLTAGE REGULATOR (2A)

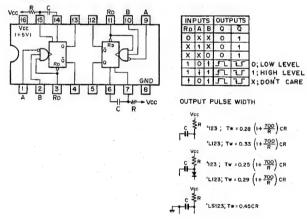


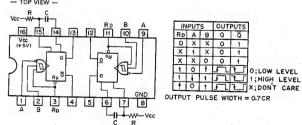




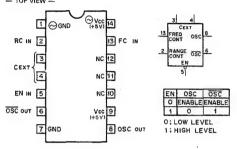
SN74LS123N (TI)
TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR WITH DIRECT RESET

— TOP VIEW —

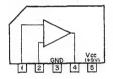




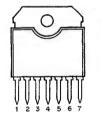
SN74LS624N (TI)
TTL VOLTAGE CONTROLLED OSCILLATOR
— TOP VIEW —



TA7060AP (TOSHIBA) LINEAR AMP — SIDE VIEW —

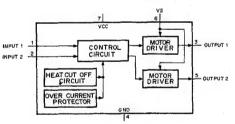


TA7267P (TOSHIBA) DC MOTOR DRIVER — PRINTED SIDE VIEW —

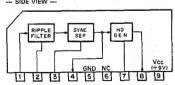


INP	JTS	αυT	PUTS	MODE
1	2	1	2	mode
1	1	0	0	BRAKE
0	1.	0	1	ROTATION/ REV. ROTATION
1	0	1	0	REV. ROTATION / ROTATION
0	0	HI-	-z	STOP

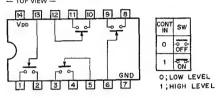
O ; LOW LEVEL 1 ; HIGH LEVEL HI-Z; HIGH IMPEDANCE



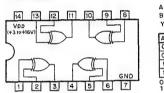
TA7357AP (TOSHIBA) SYNC SEPARATOR/HD PULSE GENERATOR SIDE VIEW —



TC4016BP (TOSHIBA) C-MOS BILATERAL SWITCH — TOP VIEW —



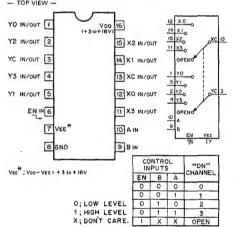
TC4030BP (TOSHIBA)
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —



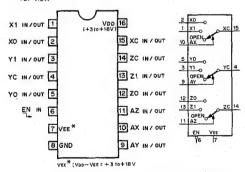
Y= A-B + A-B

A B Y
O O O
O I I I
I O I
I I O
O:LOW LEVEL
1: HIGH LEVEL

TC4052BPHB (TOSHIBA)
C-M0S 4-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —

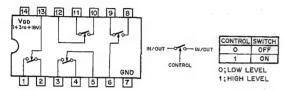


TC4053BP (TOSHIBA)
C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



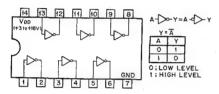
	CON	T. INPUTS	QN
	EN	A (X,Y,Z,)	CHANNEL
O; LOW LEVEL	0	0	0
1 HIGH LEVEL	0	1	1
X; DON'T CARE.	1	X	OPEN

TC4066BP (TOSHIBA) C-MOS BILATERAL ANALOG SWITCH - TOP VIEW



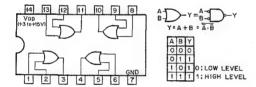
TC4069UBP (TOSHIBA) C-MOS INVERTER

TOP VIEW —



TC4071 BP (TOSHIBA) C-MOS 2-INPUT OR GATE

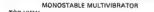
TOP VIEW —

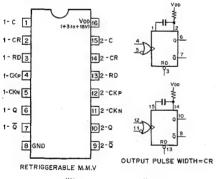


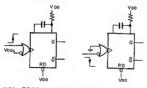
TC4538BF (TOSHIBA) FLAT PACKAGE TC4538BP (TOSHIBA)

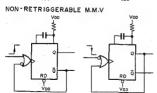
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE
MONOSTABLE MULTIVIBRATOR

— TOP VIEW —

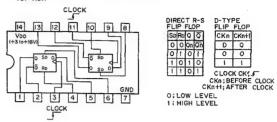




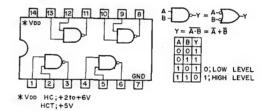




TC504013BP (TOSHIBA)
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
--- TOP VIEW ---

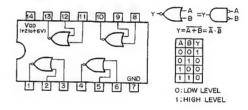


TC74HC00F (TOSHIBA) FLAT PACKAGE TC74HC00P (TOSHIBA) C-MOS 2-INPUT NAND GATE - TOP VIEW

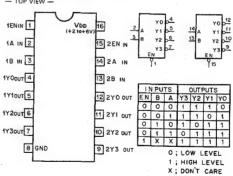


TC74HC02P (TOSHIBA) C MOS 2-INPUT POSITIVE-NOR GATE

- TOP VIEW -



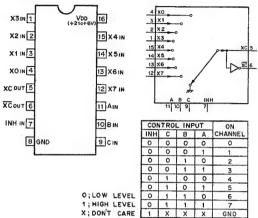
TC74HC139P (TOSHIBA)
C-MOS 1-0F-4 DECODER/DEMULTIPLEXER
— TOP VIEW —



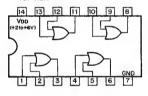


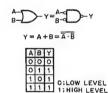
TC74HC151P (TOSHIBA)
C-MOS 8-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —







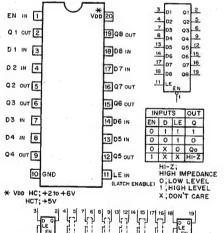




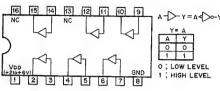
TC74HC373P (TOSHIBA)

C-MOS 3-STATE OUTPUTS OCTAL LATCHES

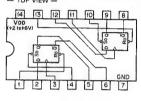




TC74HC4050P (TOSHIBA)
C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
— TOP VIEW —



TC74 HC74P (TOSHIBA)
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —

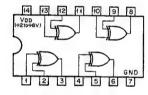


IN	IΡι	TS		OUTF	UTS
So	RD	СК	D	Qn+1	Qn+1
0	1	х	X	1	0
1	0	Х	Х	0	1
0	Ó	Х	Х	1*	-1*
1	1	1	1	1	0
1	1	F	0	0	1
1	1	0	Х	Qn	Qn
·	0	w	1.5	VEL	

1; HIGH LEVEL X; DON'T CARE 1*; NONSTABLE

TC74HC86P (TOSHIBA) C-MOS EXCLUSIVE OR GATE

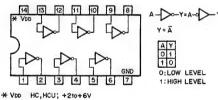
- TOP VIEW -





TC74HCU04P (TOSHIBA) C-MOS INVERTER — TOP VIEW —





HCT; +5V

TL082CP (TI)

OPERATIONAL AMPLIFIER
(J FET-INPUT)

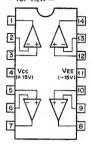
TOP VIEW —



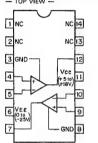


uPD78310CW (NEC)
C MOS 16/8 BIT ONE CHIP MICROCOMPUTER
— TOP VIEW — ADDRESS BUS OUT
ADDRESS/DATA BUS IN/OUT
ADDRESS LATCH ENABLE OUT
ANALOG SIGNAL IN
EXTERNAL COUNT CLOCK IN
COUNTER CLEAR/CAPTURE THIGGER IN
COUNT UP/DOWN SELECT CONTROL IN
ASYNCHRONOUS MODE; TRANSMIT PERMISSION
CONTROL IN
I/O INTERFACE MODE; RECEIVER CLOCK IN/OUT
EXTERNAL ACCESS IN
EXTERNAL INTERRUPT REQUEST IN
NON MASKABEL INTERRUPT REQUEST IN A8-A15 ; AD0-AD7 ; ALE ; AN0-AN3 ; CI0,CI1 ; CLR0,CLR1 ; CTRL0,CTRL1; CTS ; SYMBOL SYMBOL VDD (+5v) PO 0 PO 1 PO 2 PO 3 PO 4 PO 5 3 4 O P00
O P01
O P02
O P03
O P04
O P05
O P06
O P07
O P10
O P11 0000 ADI 34 35 AN1 58 59 60 AD3 AN 3 A VREF A Vss 5 6 7 0 60 55 50 45 45 ADG AD5 P06 P34/PWMO 8 AD P35/PWM1 P36/CLRO/TOO 9 43 EA ; INTEO-INTE2; P10 44 NMI POO-PO7 P10-P17 P20-P27 P30-P37 PWM0, PWM1 EXTERNAL INTERRUPT REQUEST IN NON MASKABEL INTERRUPT REQUEST IN PORT 0 (3 STATE) IN/OUT PORT 1 (3 STATE) IN/OUT PORT 2 (3 STATE) IN/OUT PORT 3 (3 STATE) IN/OUT P37/CLR1/TO P10 11 P12 12 P13 13 P14 A 10 A11 46 A12 47 A13 48 A14 49 A15 50 P13 O P14 O P15 O P16 O P17 14 P15 15 P16 PORT 3 (3 STATE PWM OUT READ STROBE OUT RESET IN REFLESH OUT RD RESET 16 P17 RFSH RXD SCK TOO, TO1 TXD WR X1,X2 P20/NM1 P21/1NTE 0 49 50 51 52 53 P20/NMI P21/INTEO REFLESH OUT
I/O INTERPACE MODE; RECEIVER CLOCK OUT
PULSE OUT
SERIAL DATA IN
WRITE STROBE OUT
CRYSTAL A15 EA RESET 18 P22/INTE 1 P23/INTE 2 P22/INTE P23/INTE2 P24/TxD 20 RESE RD WR ALE ADO 000 P24/TxD 21 P25/R×D P26/SCK 54 55 22 23 P26/SCK P27/CTS P25/RxD 56 57 58 P27/CTS 00000000 8 40 25 26 27 26 P30/CIO 00000 P30/CIO AD2 000000 AVSS 27 P31/CTRLO P31/CTRL O 59 60 61 62 63 64 AD3 AVREE 28 P32/C11 P33/CTRL1 28 29 30 31 32 P32/C11 29 P33/CTRL1 39 P34/PWM 0 ADS ХI 40 P35/PWM 1 P36/CLR0/T00 42 P37/CLR1/T01 AD7 X2 32 34 35 ANI AN2 36 AN3 51 53 EΑ 52 55 RESET ALE PO 1 = 2 PO 2 = 3 REAL TIME OUTPUT MODE AND PORTO P03 4 P04 45 INTERNAL RAM 256 BYTE GENERAL REGISTER MACRO SERVICE CHANNELS PO5 6 P0 7 📲 56 AD 0 57 AD 1 58 AD 2 59 AD 3 60 AD 4 61 AD 5 62 AD 6 P10 -9 P11 =10 BDOLEAN PROCESSOR ADDRESS /DATA BUS AND PORT 4 P 13 12 P 14 13 P 15 14 PORT 1 62 AD 6 P17 -16 PC PSW SP 43 A8 43 A8
44 A9
45 A10
46 A11
47 A11
48 A12
48 A13
49 A14
50 A15 P21/INTE 0 18
P22/INTE 1 19
P23/INTE 2 ADDRESS BUS AND PORT 5 TA TB CAPTURE/PWM SIGNAL OUTPUT UNIT AND PORTS P34/PWM 0 4 P35/PWM (40 AŁU 55 ALE 55 RD 54 WE 25 RFSH 51 EA ALE P24/TXD - 21 SERIAL COMMUNICATION INTER FACE AND PORT2 INSTRUCTION BUS P25/ RXD = 22 P26/SCK = 23 BAND RATE GENERATOR AND PORT2 P27/CTS -24 30 X 1 31 X 2 52 RESET MICRO SEQUENSOR MICRO ROM P30/C10 26 64 16 BIT UP DOWN COUNT UNIT AND PORT3 P31/CTRL 0 27 Voo 32 Vss TIME BASE COUNTER WATCHDOG TIMER P32/CL1 28 P33/CTRL 1 29 33 ANO 34 AN 1 35 AN 2 P36/CLR 0/TO 0 424 36 AN3 37 AV REF 36 A VSS 16 BIT TIMER UNIT

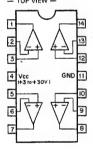
TL084CN (TI)
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



uPC319C (NEC) DUAL VOLTAGE COMPARATOR — TOP VIEW —



uPC324C (NEC) QUAD. OP AMPLIFIER — TOP VIEW —



uPC358C (NEC) DUAL OPERATIONAL AMPLIFIERS

— TOP VIEW —





2SA1115

TOP VIEW (SCALE 4/1) 2SA1162 2SA1226



2SA1175



2SA844



TOP VIEW (SCALE 4/1)









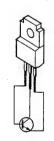




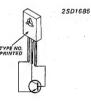
2SD1276A







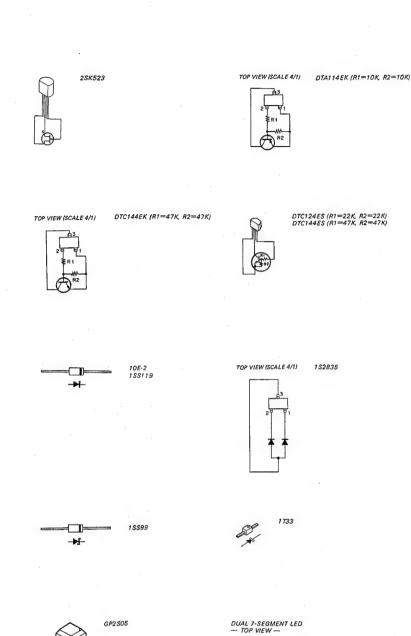


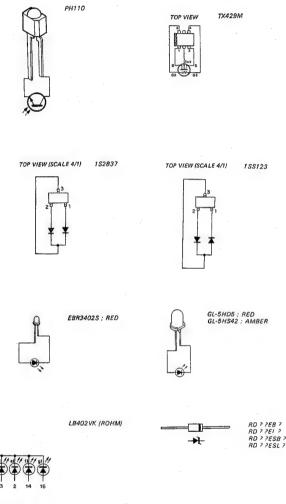




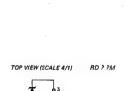
2SD773

TOP VIEW (SCALE 4/1) 2SK209 2SK94

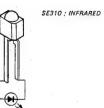


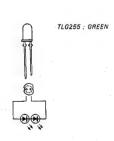


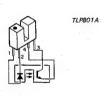
DTA124ES (R1=22K, R2=22K) DTA144ES (R1=47K, R2=47K)











SECTION 15 SCHEMATIC DIAGRAMS

The circuit information is provided below.

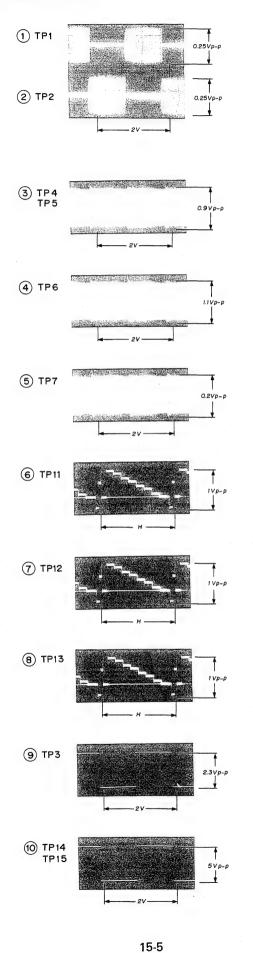
SYSTEM	BOARD	CIRCUIT FUNCTION	
	DM-74	Video Demodulator	
VIDEO	EN-66A	Video Encoder	
	CP-123	Video Output Amplifier	
AUDIO	AU-101A	Audio PB Amplifier	
AUDIO	HP-38	Headphones Volume/Jack	
	SV-99	Drum/Capstan/Reel Servo	
	SV-117A	Picture Splitting Compensator	
	SVD-2	Drum/Capstan Motor Driver	
SERVO	DE-15	Reel FG	
SERVO	DUS-174	Reel Motor Driver	
	DUS-175	Reel Motor Driver	
	TR-18	Tape Tension Sensor	
	VR-69	Tracking Control Volume	
	KY-130	Function Key/Display	
	DP-87	Time Counter Display	
	SW-274	Dolby NR/Superimpose Switch	
	LED-58	Auto Off Display	
	SY-121A	System Control	
	CCM-2	Cassette-up Compartment Motor	
	CL-14	Cassette-up Compartment	
	PC-47	Cassette-up Compartment (L/S Detector)	
SYSTEM	PC-33	Cassette-up Compartment (Cassette Up/Down Detector)	
CONTROL PC-41 Cassette-up Compartment (C		Cassette-up Compartment (Cassette IN Detector)	
	PD-35	Pinch Solenoid	
	PTC-15	Thread/ Unthread End Sensor	
·	PTC-20 Cassette Detector (Tape Thickness, Reel Hub Dia: Metal/Oxide)		
	PTC-21	Reel Table Position Detector	
	PTC-31	Threading Motor FG Detector	
	PTC-36	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)	
	RM-40	Relay Board for Reel Motor & Brake Solenoid	
TIME CODE	TC-49A	Time Code Reader	
	UR-14E	Switching Regulator	
POWER	AC-93A	AC Input	
	DC-36	DC Supply	

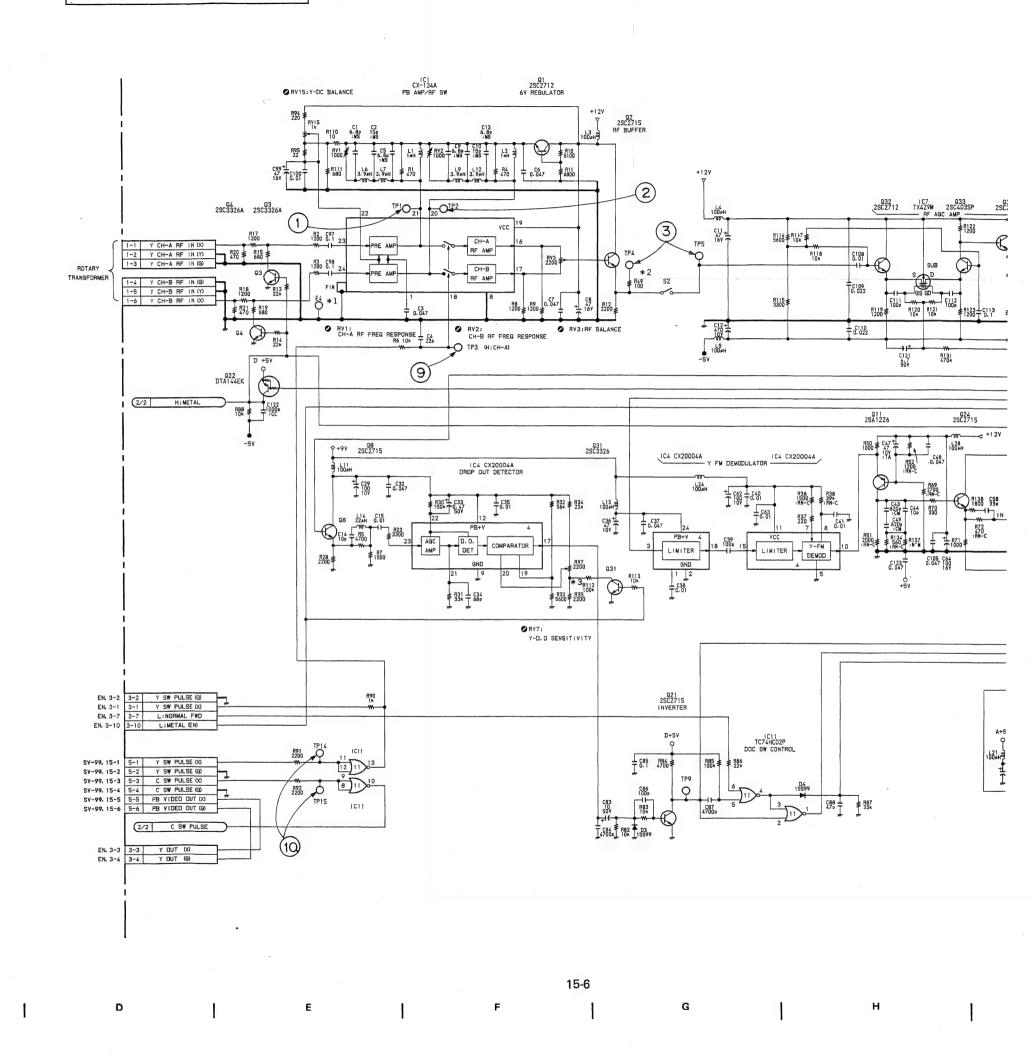
回路図内において、REF. NO の近傍に下記記号が記載されていますが、これは生産時の部品データです。

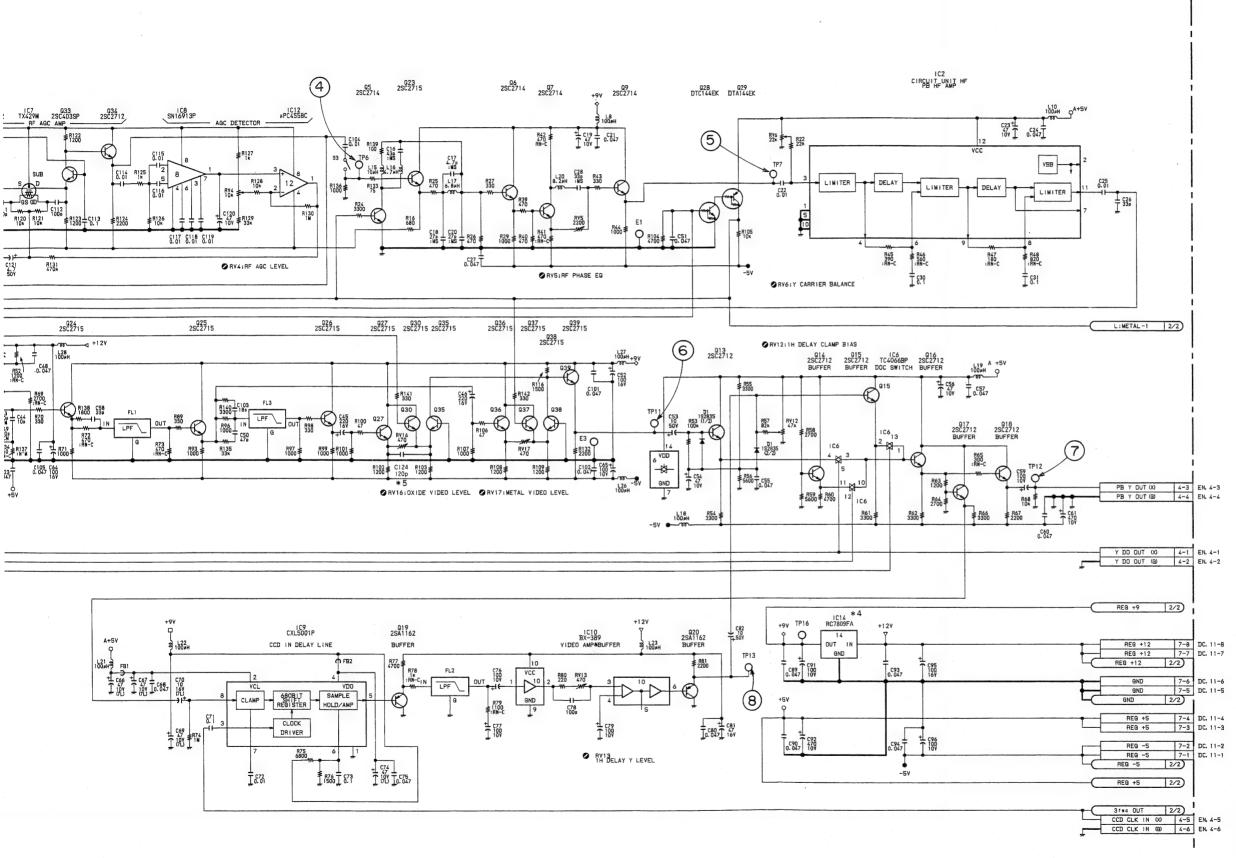
In the schematic diagrams, the following marks are described nearby reference number. These are parts data at factory.

CAPAC	CITOR (C)	RESISTOR (R)		
		VARIAE	BLE RESISTOR (RV)	
AL AS	ELECTROLYTIC	RC RD	CARBON	
TA	} TANTALUM	RF	} FUSE	
CA		RN RS	METAL	
CCS CM CS	CERAMIC	RW	} WIREWOUND	
MPS PP PS	MYLAR			
PT MD MS)) DIPPED MICA) MICA			

DM-74(1/2); VIDEO DEMODULATOR







15-7

NOTE; MARK ADDRESS CHANGE INFORMATION SERIAL No. E4 ADDED *2 2-G R49 ADDED EK: 10189-R112 CHANGED *3 4-F 33K→100K IC14 CHANGED 4-M

*4

*5

3-J

NJM78M09A

1

RC7809FA

C124 ADDED

EK;11058-

EK;11466-

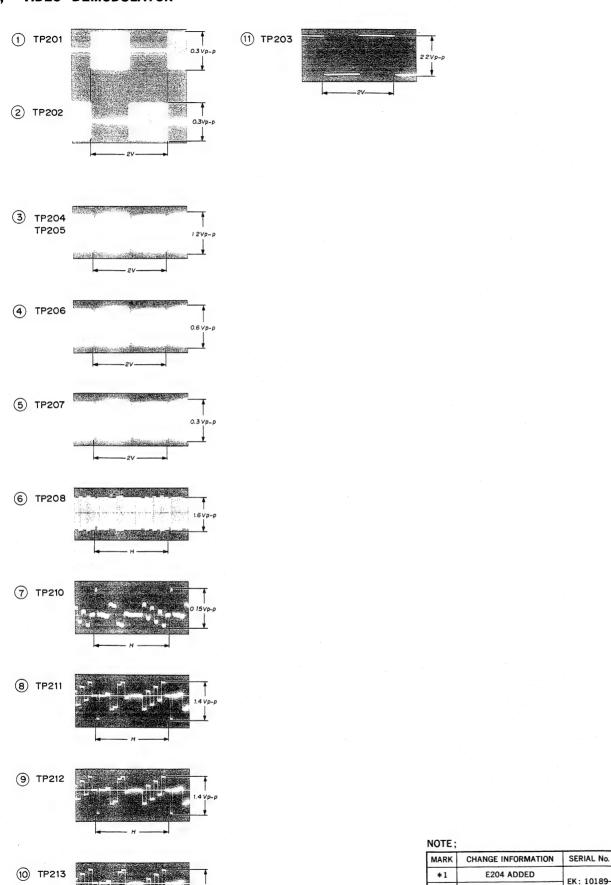
I-627-659-12, I3(4) BVW-22P

15-8

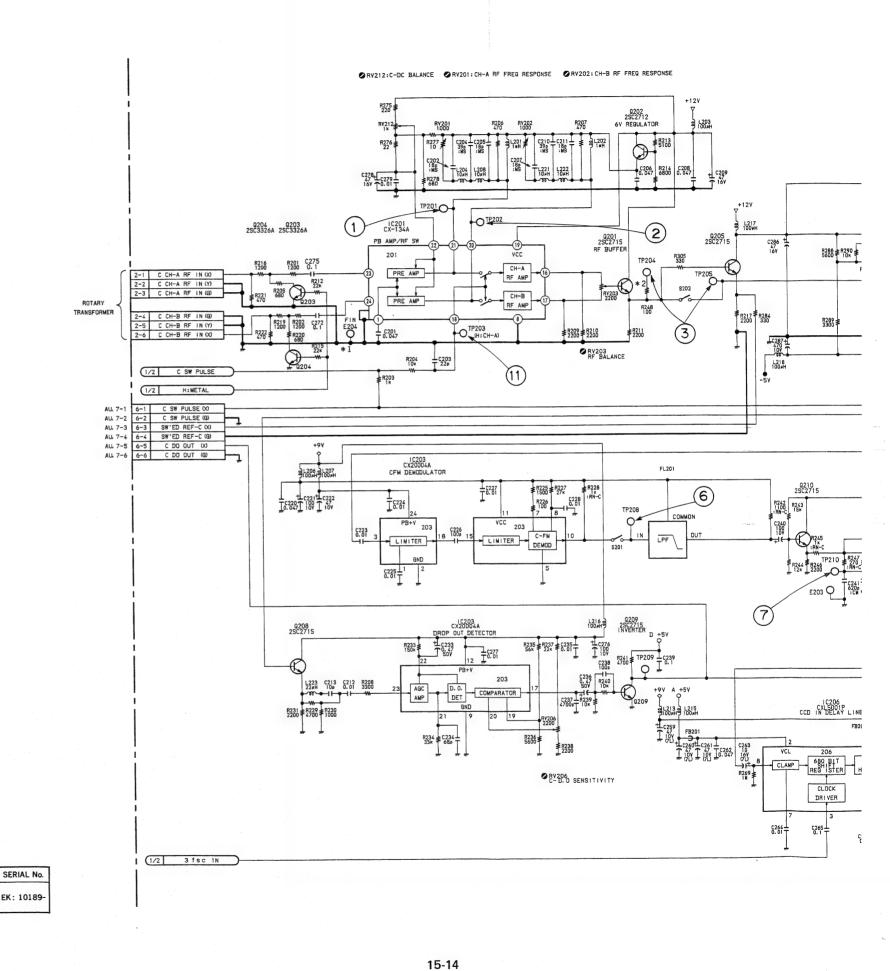
E204 ADDED

R248 ADDED

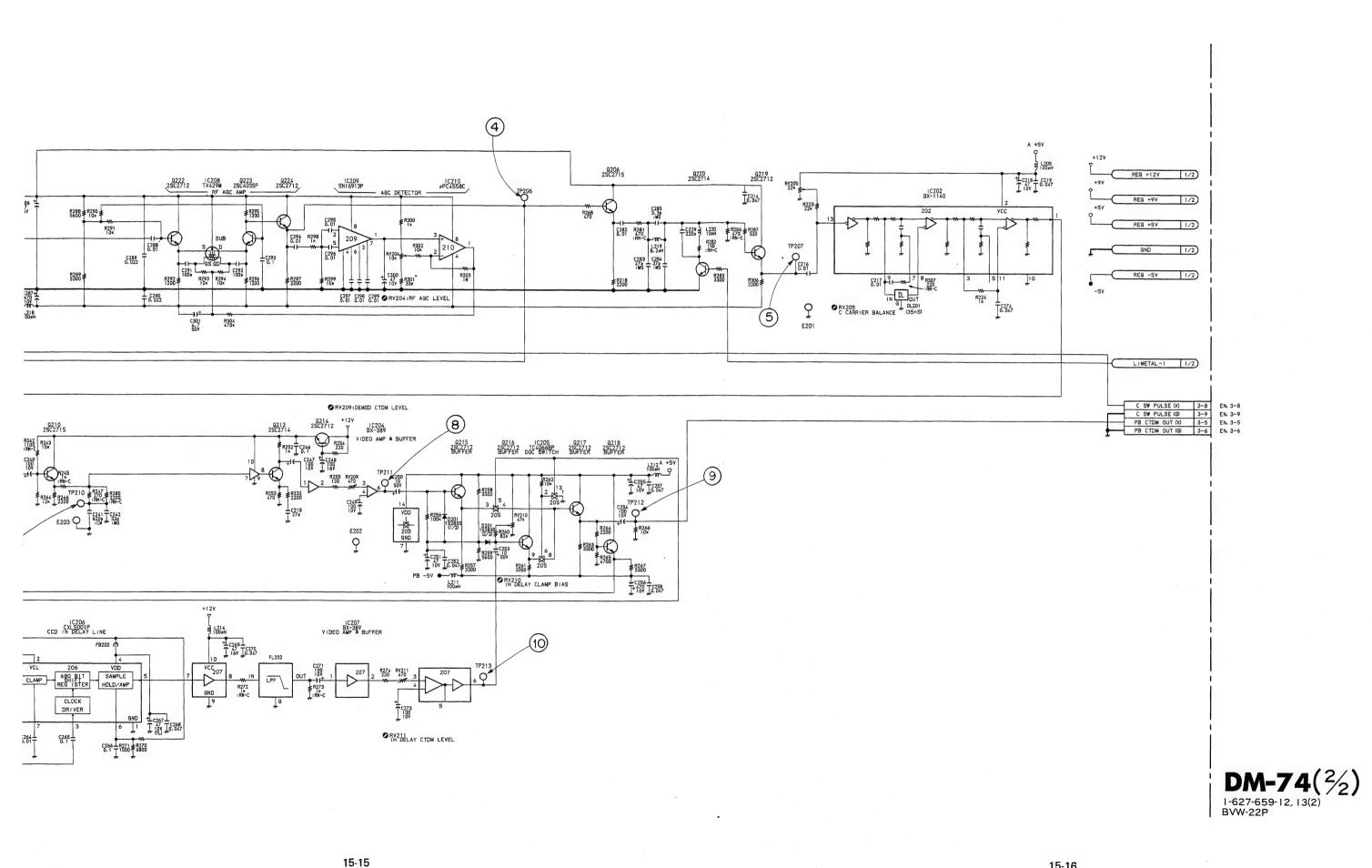
DM-74(2/2); VIDEO DEMODULATOR



15-13



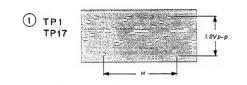
SP728 / Druck 21

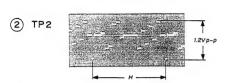


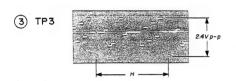
15-16

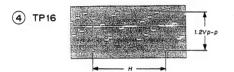
SP728 / Druck 22

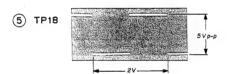
EN-66A(1/4); VIDEO ENCODER





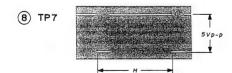


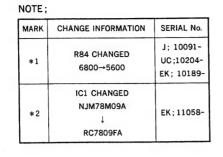


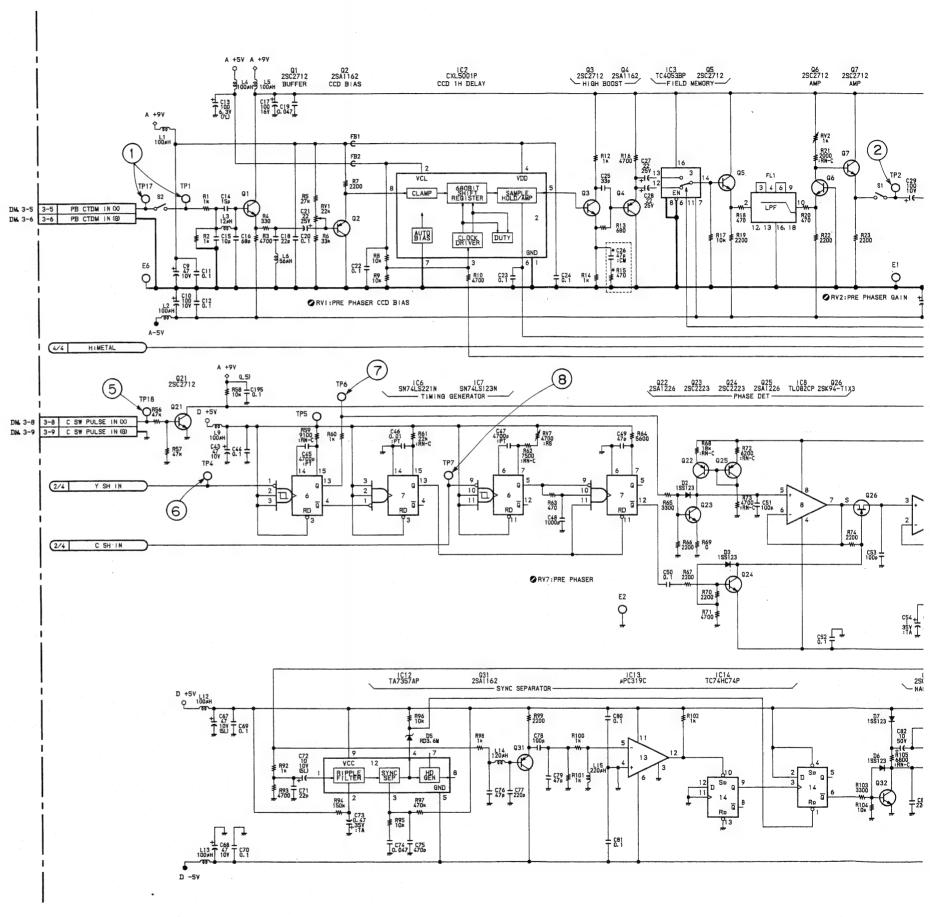












15-21

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С

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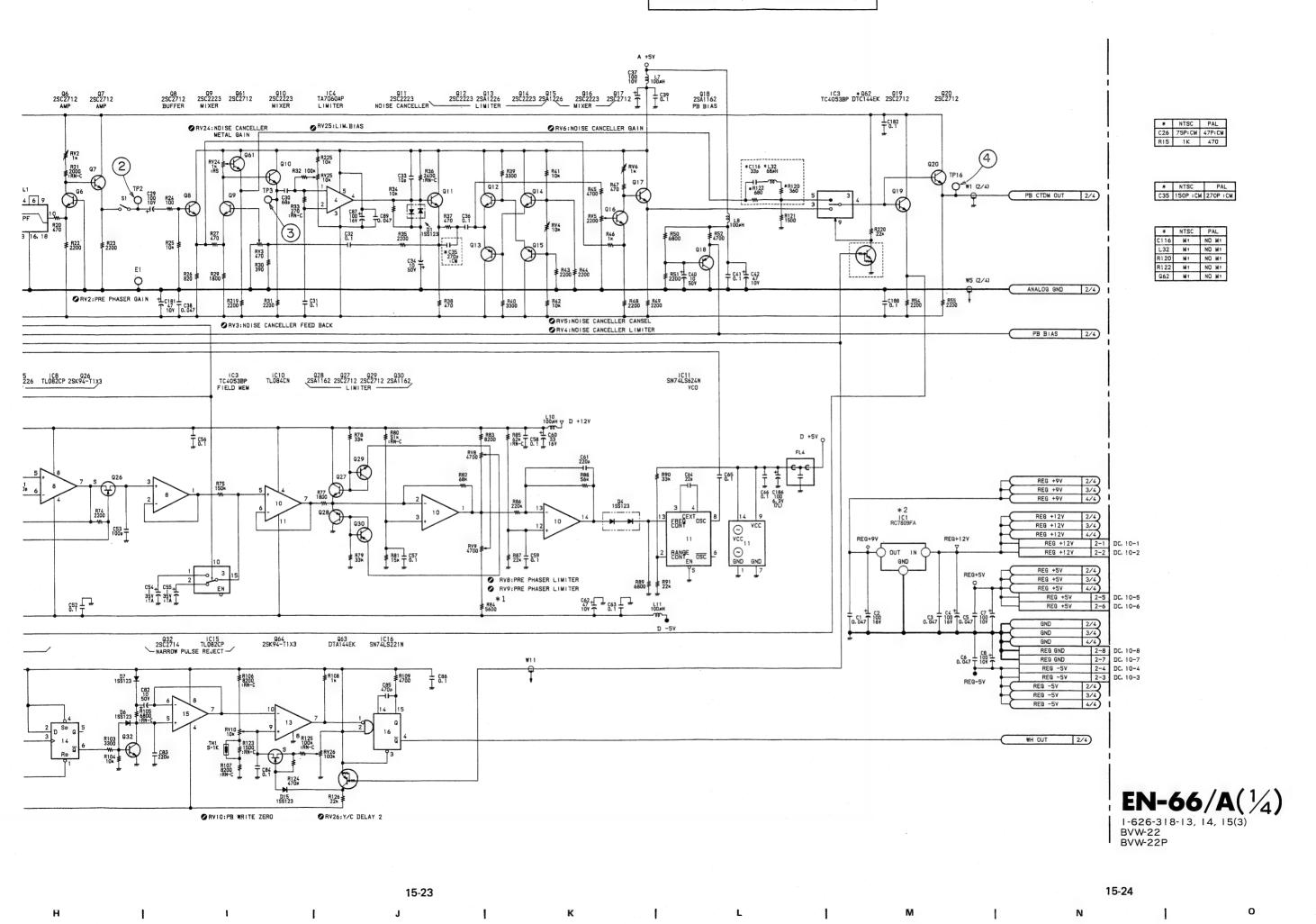
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F

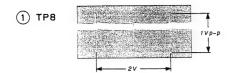
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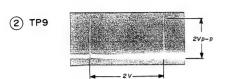
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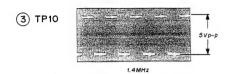
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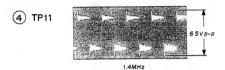


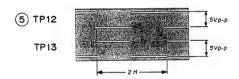
EN-66A(2/4); VIDEO ENCODER

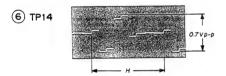


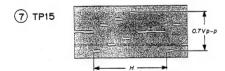


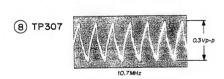


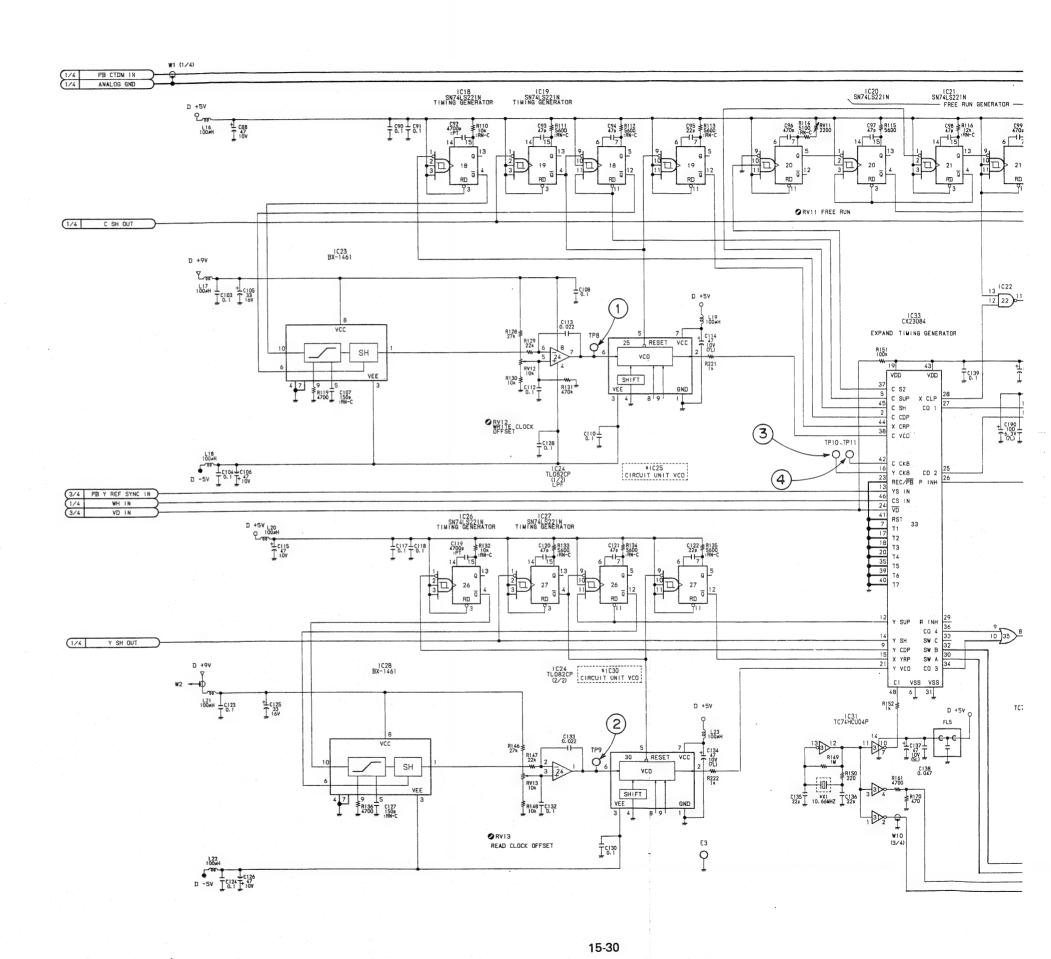


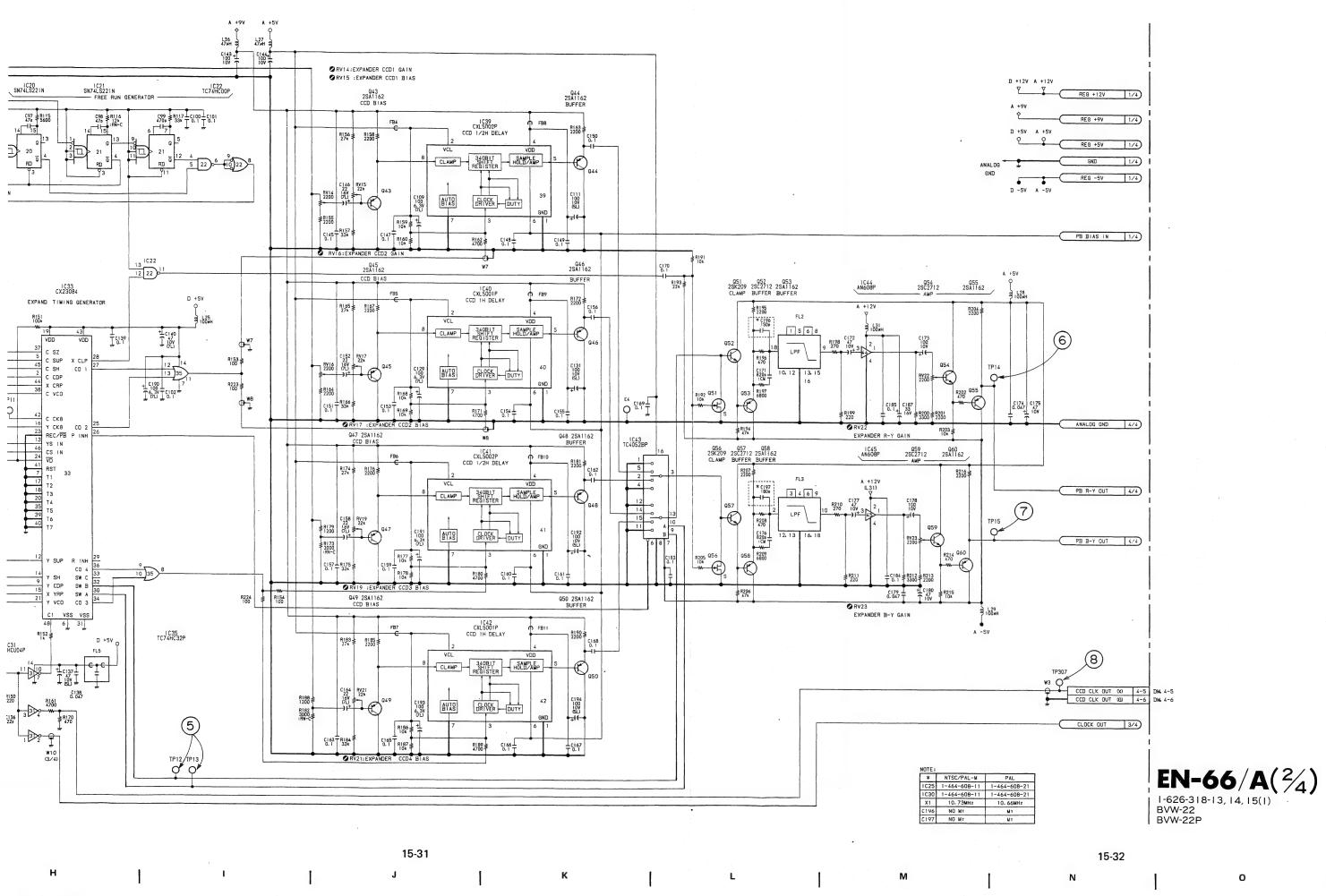




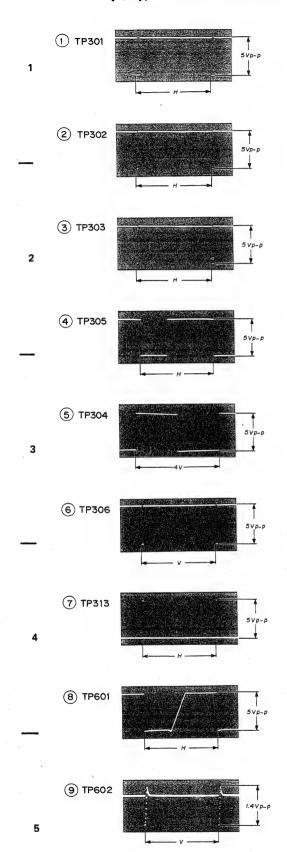


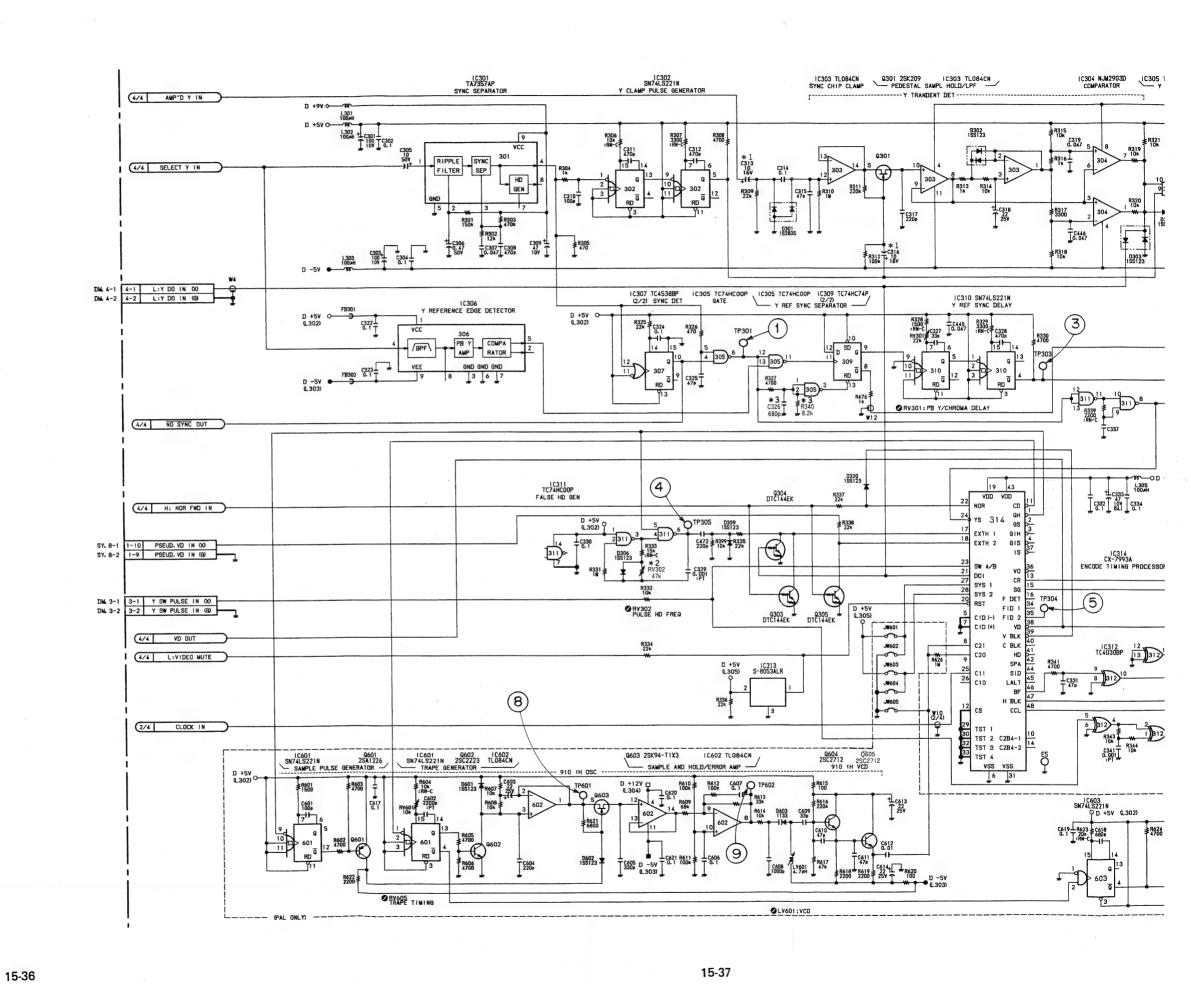




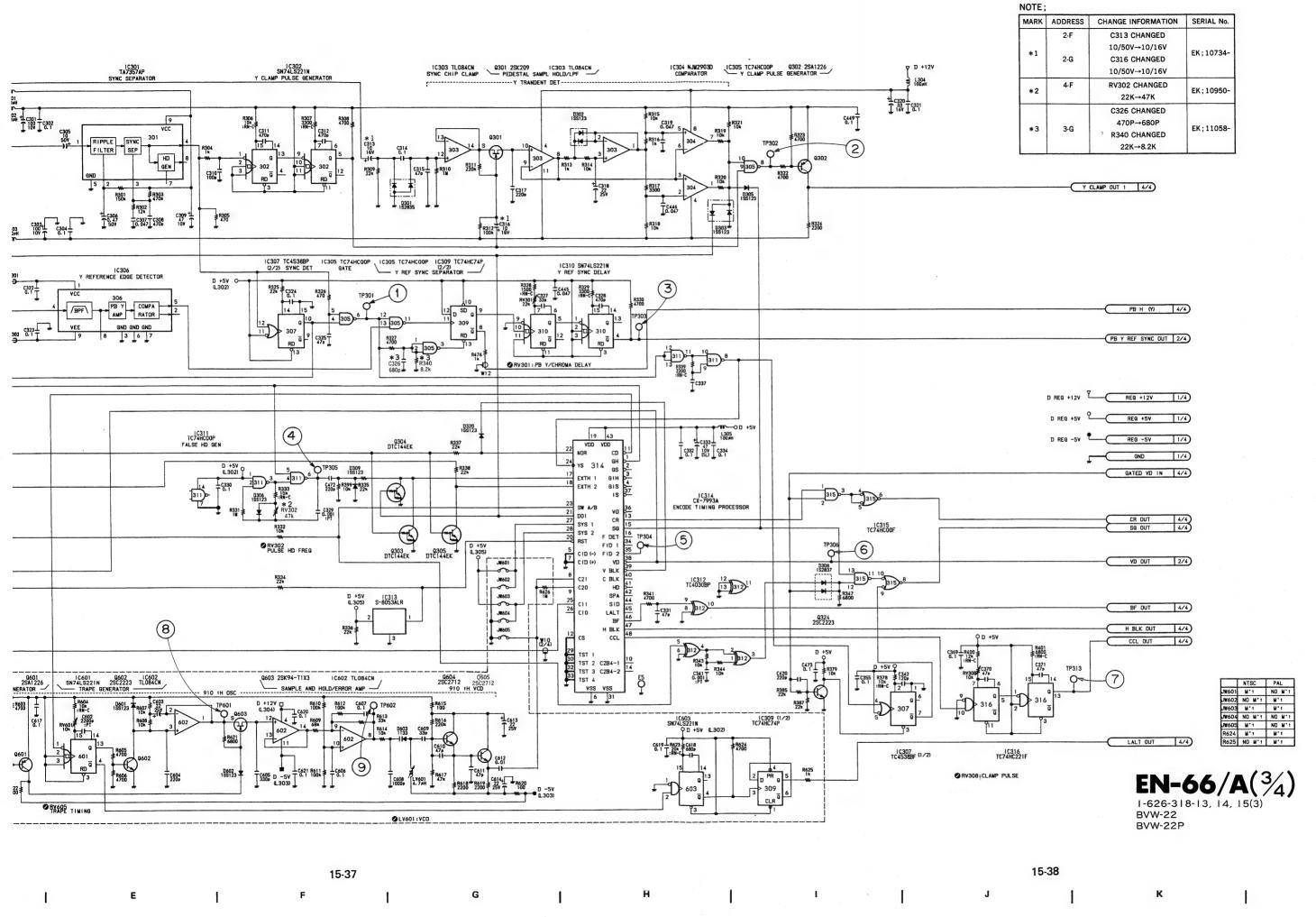


EN-66A(3/4); VIDEO ENCODER

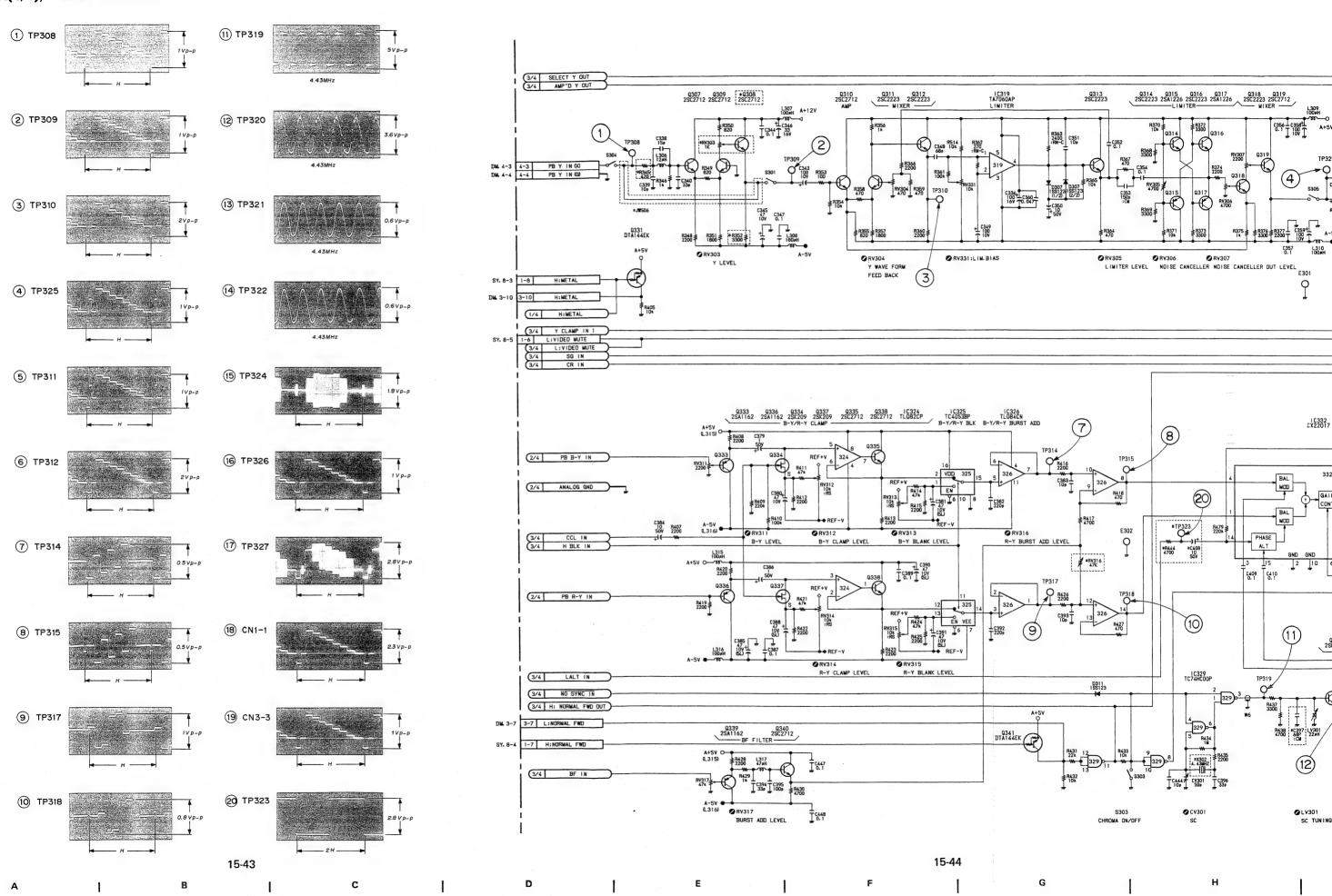


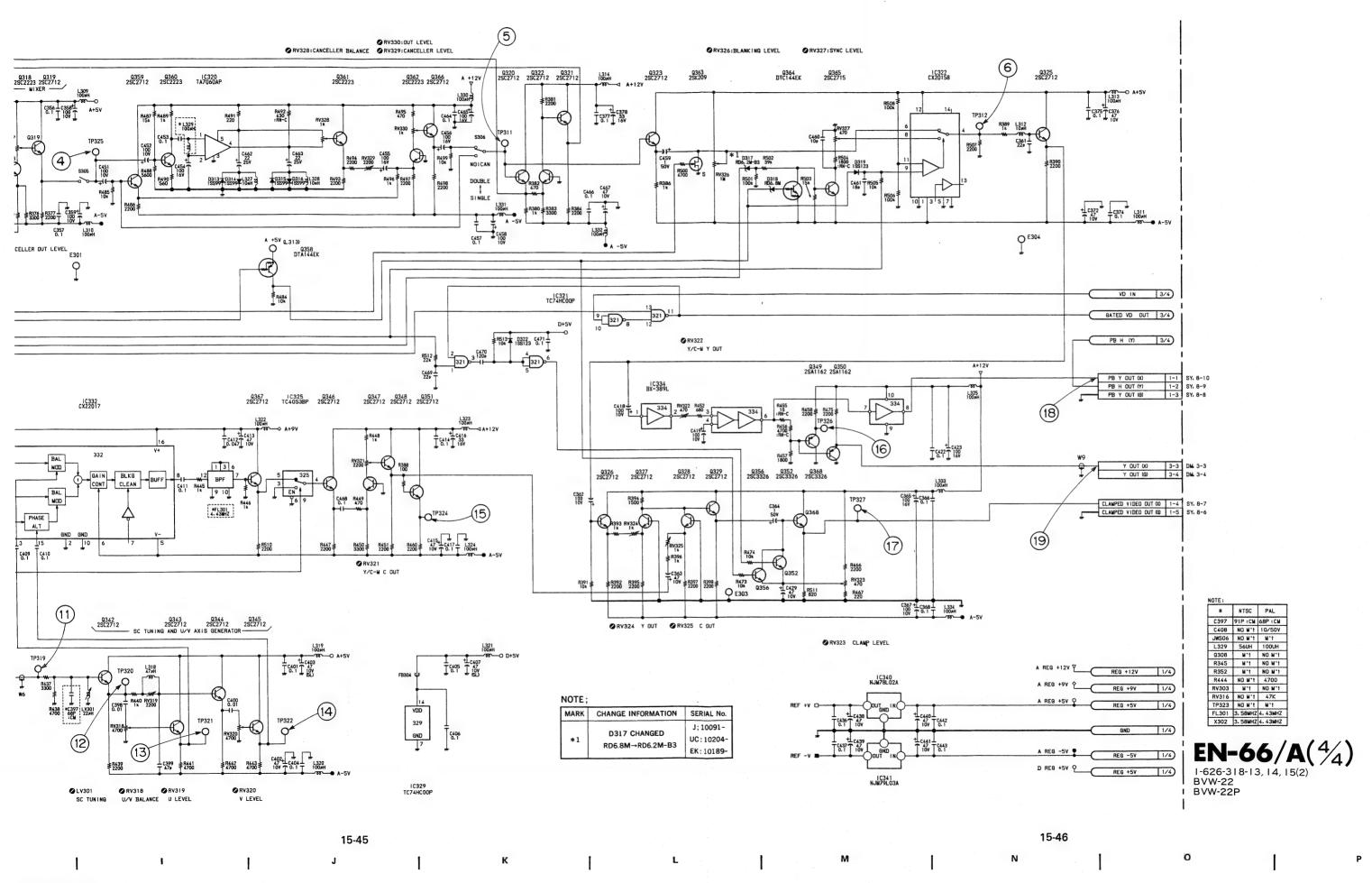


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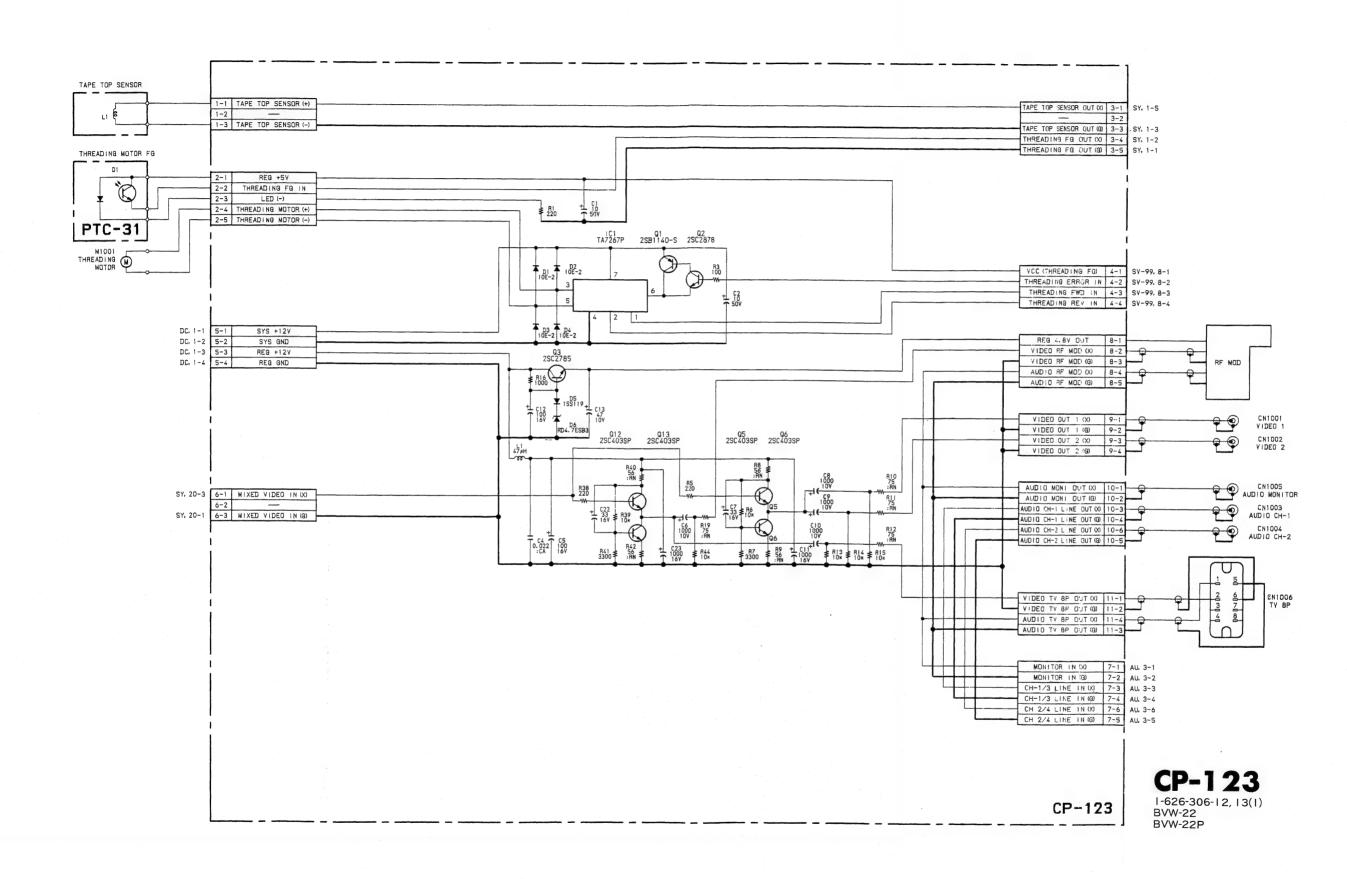


EN-66A(4/4); VIDEO ENCODER





CP-123; VIDEO OUTPUT AMPLIFIER PTC-31; THREADING MOTOR FG DETECTOR



15-50

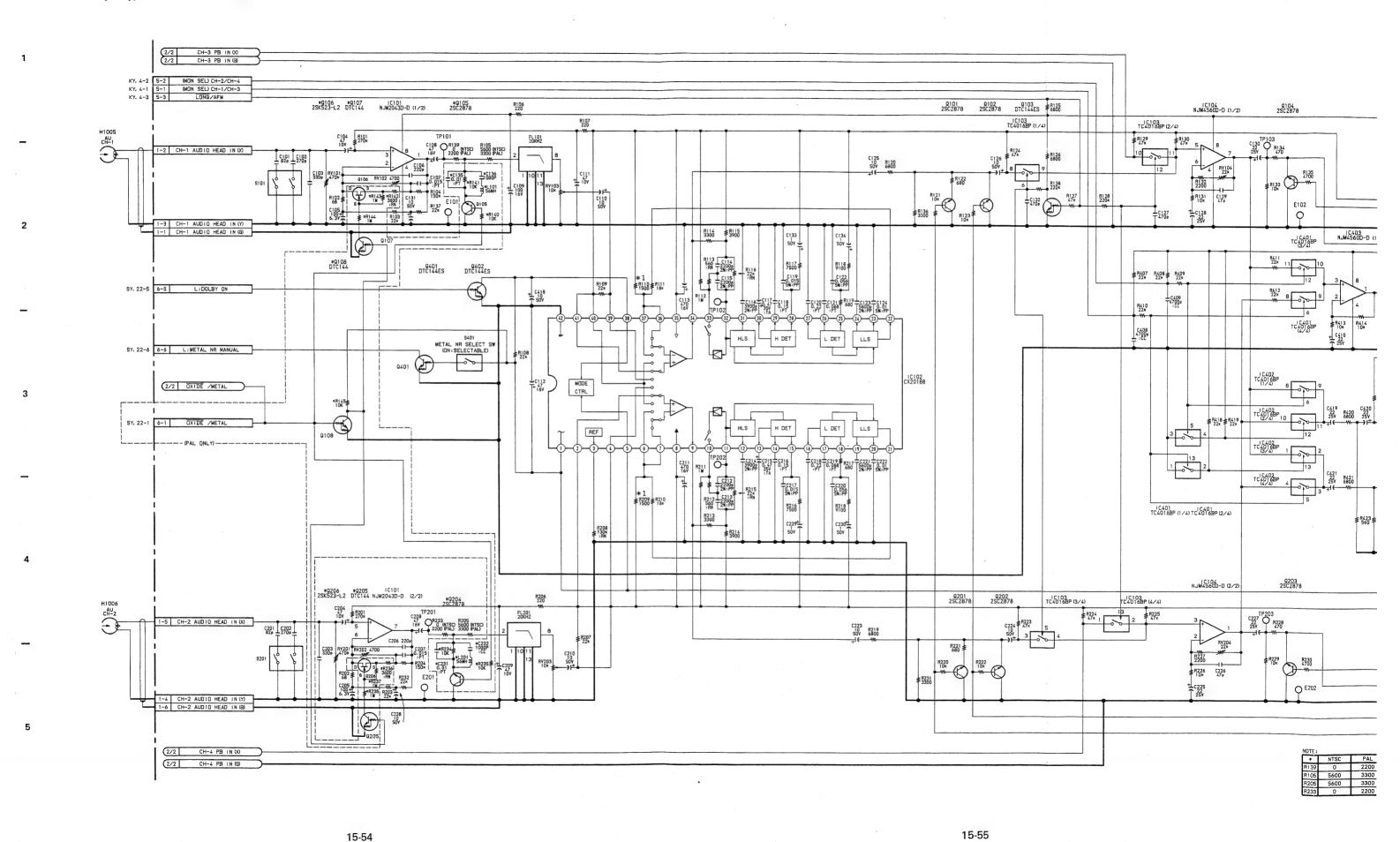
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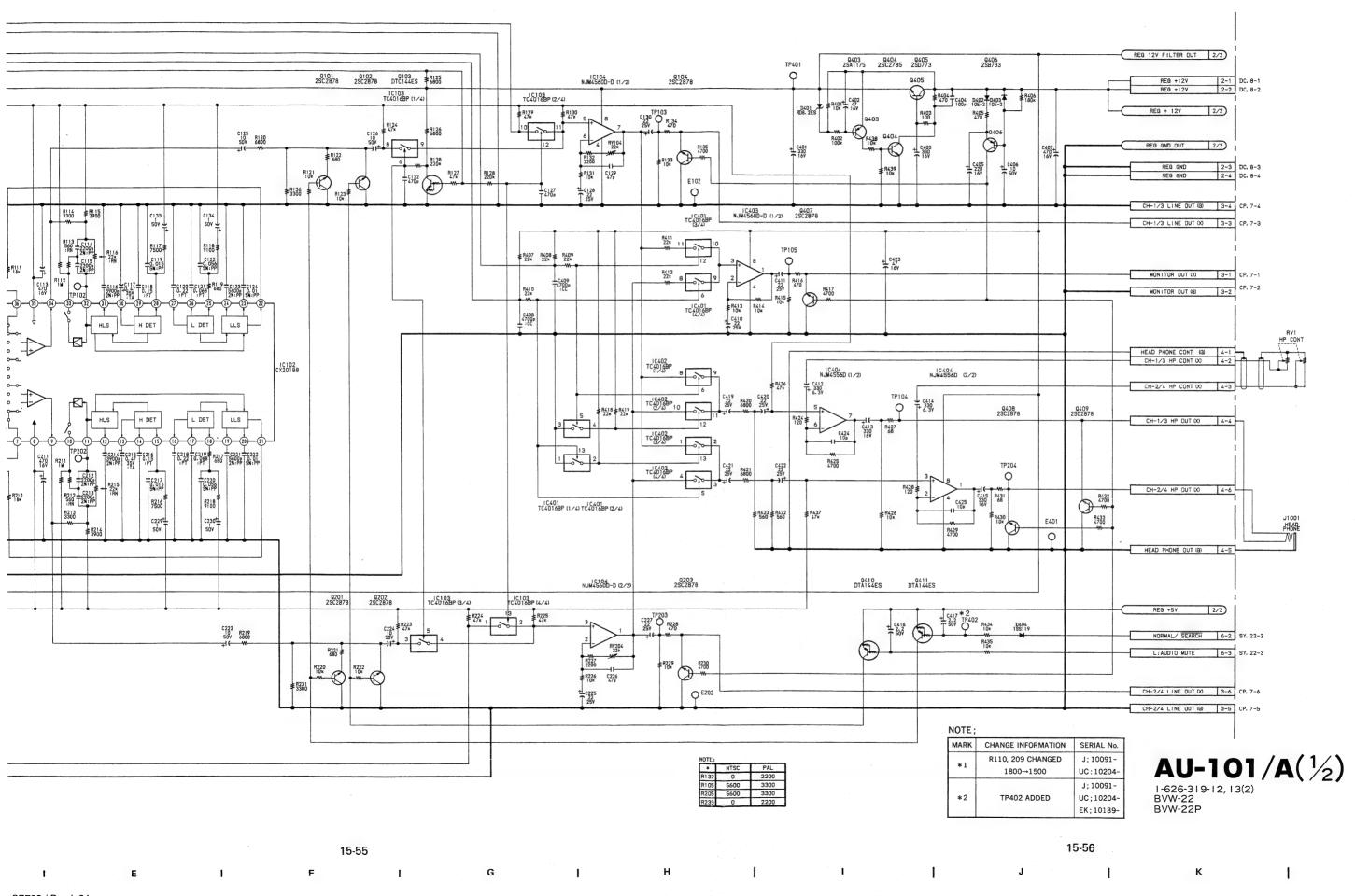
SP728 / Druck 31

15-49

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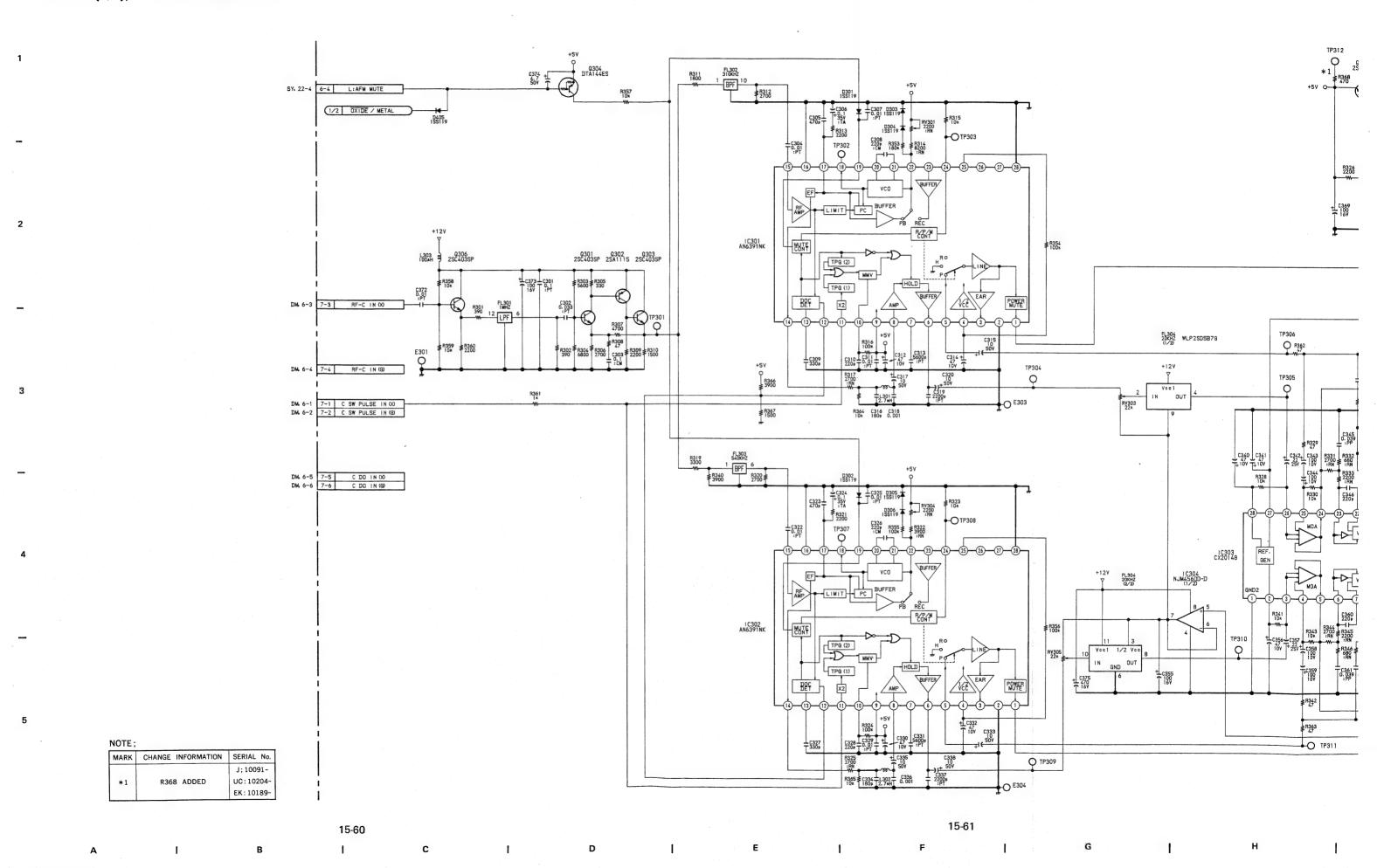
AU-101A(1/2); AUDIO PB AMPLIFIER

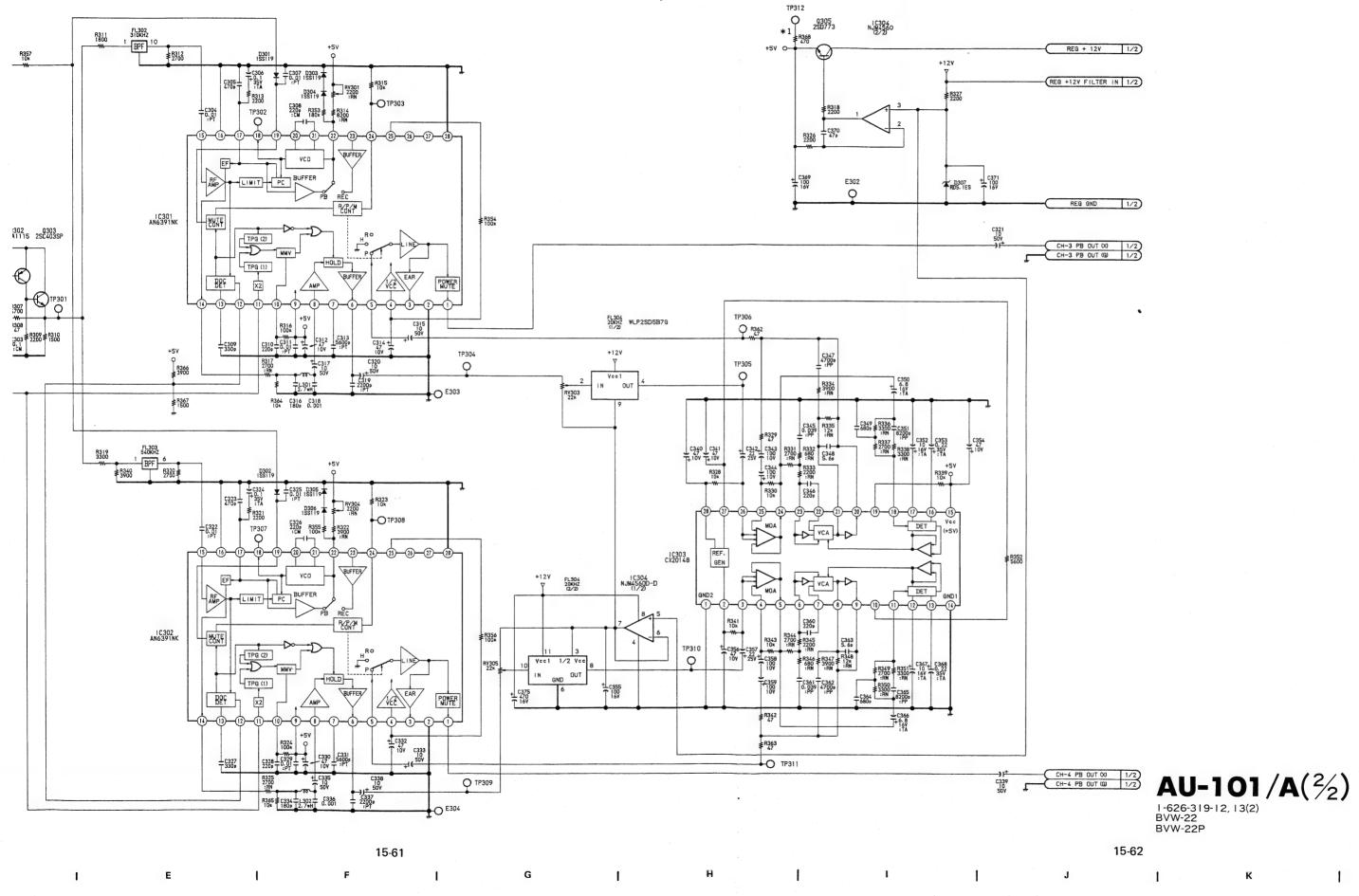




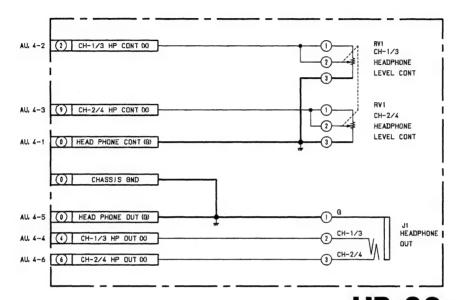
AU-101

AU-101A(2/2); AUDIO PB AMPLIFIER





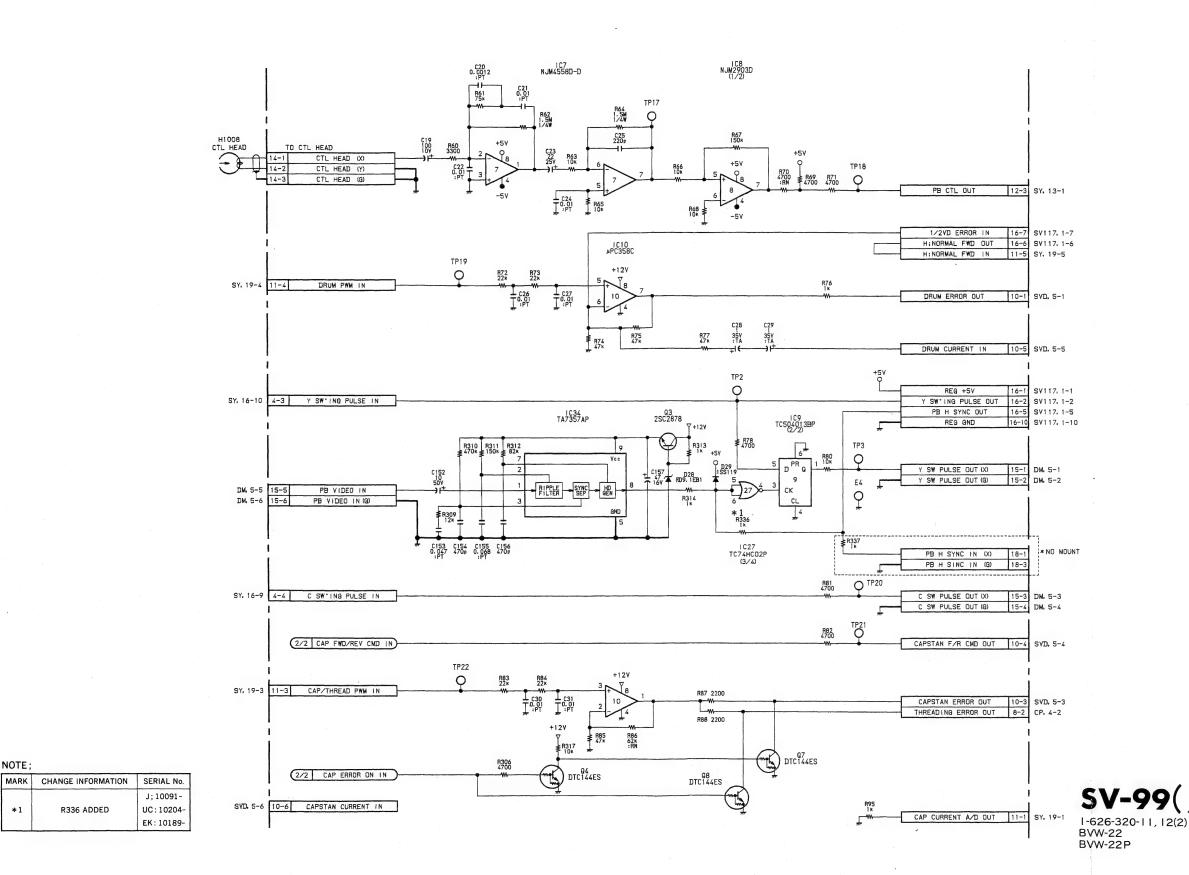
HP-38; HEADPHONES VOLUME/JACK



HP-38 I-626-307-11(I) BVW-22 BVW-22P

D





15-68

SP728 / Druck 37

NOTE;

*1

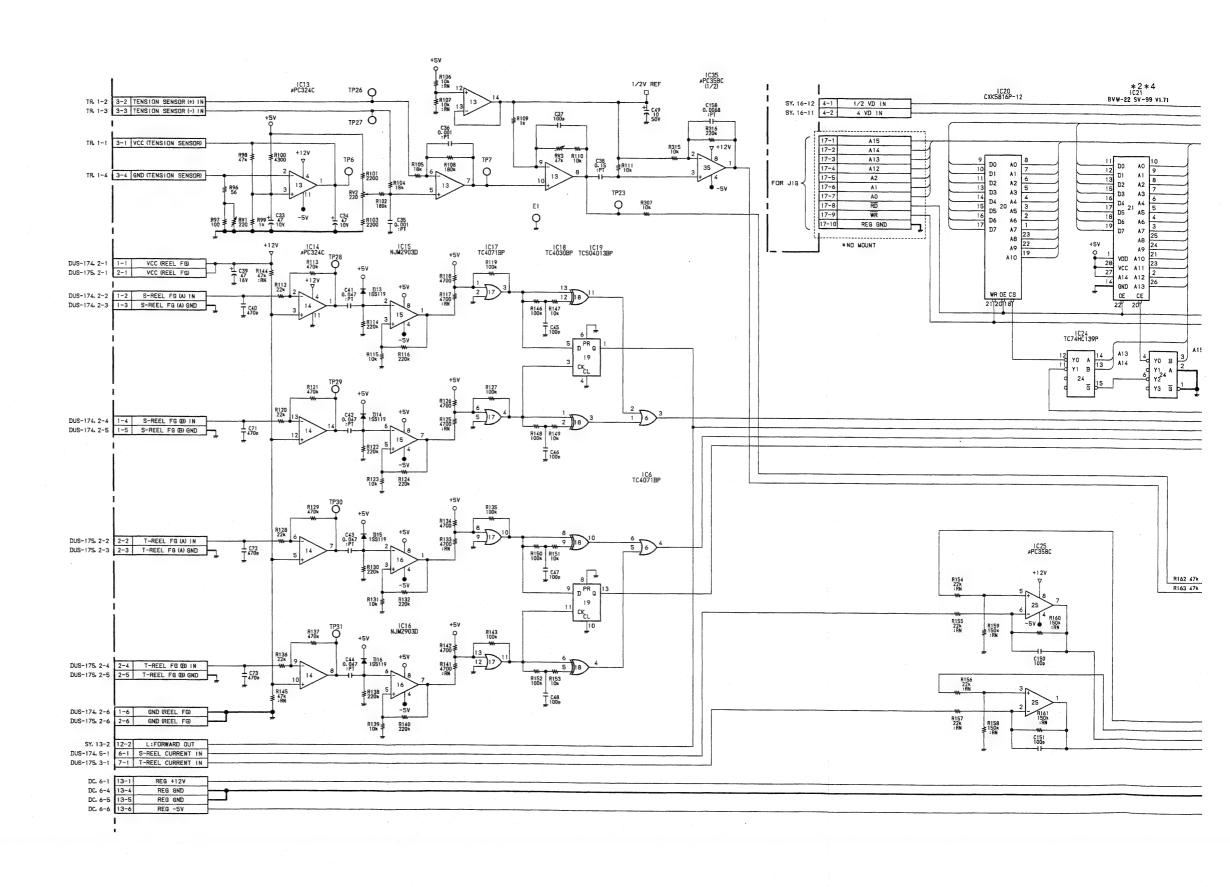
R336 ADDED

15-67

3

SV-99(2/2); DRUM/CAPSTAN/REEL SERVO

MARK	CHANGE INFORMATION	SERIAL No.	
	CN5, 9	J; 10091-	
*1	NOT MOUNTED	UC:10204-	
*2	IC21 CHANGED	EK: 10189-	
	MBM27128-25→	LK, 10103	
	BVW-22 SV-99 V1.6		
*3	Q1,2 CHANGED	J; 10141- UC; 10294- EK; 10229-	
	2SD1685-F→		
	2SD1685-G		
*4	IC21 CHANGED		
	BVW-22 SV-99 V1.6		
	→BVW-22 SV-99 V1.71		



15-73

C

1

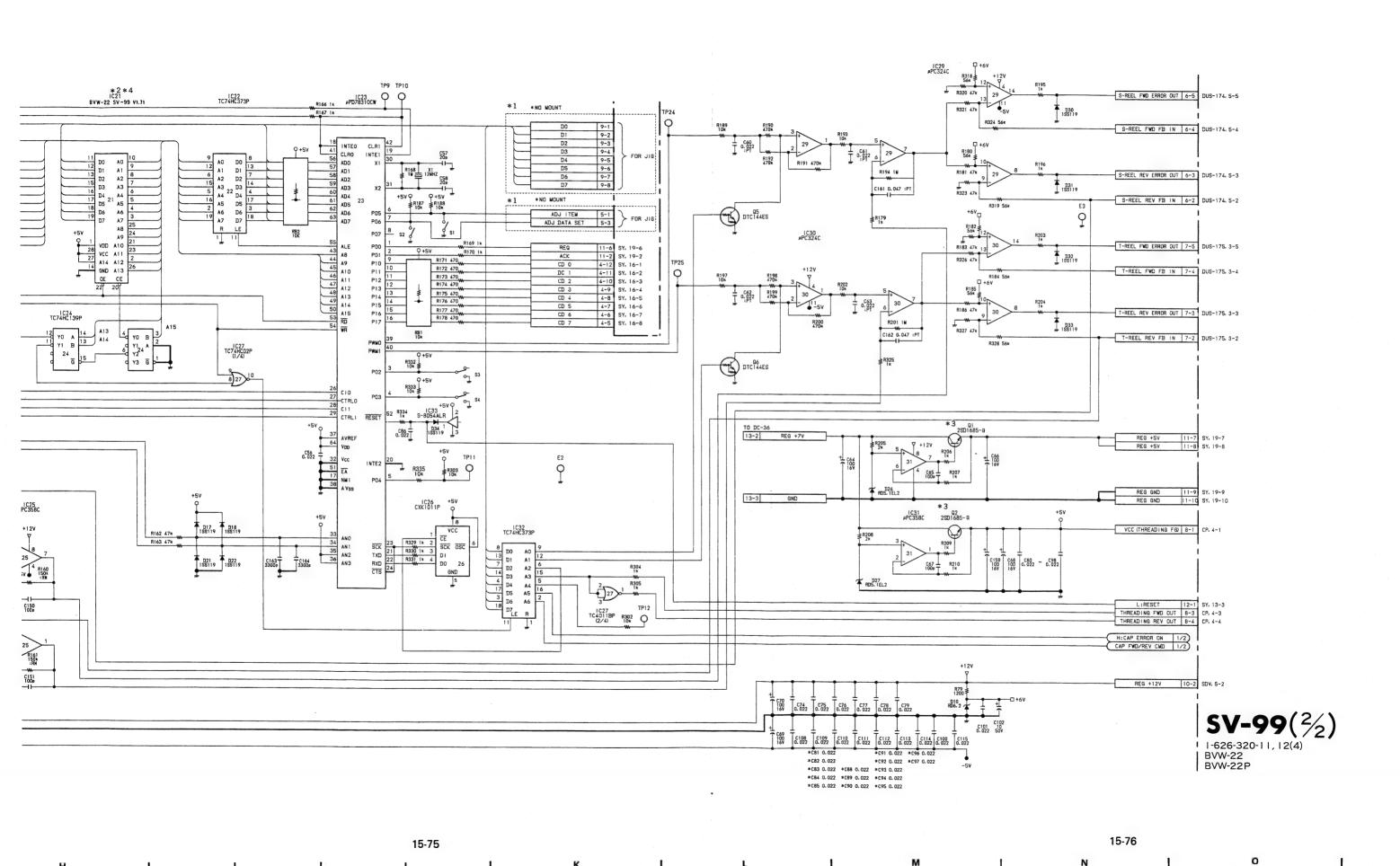
E

F

15-74

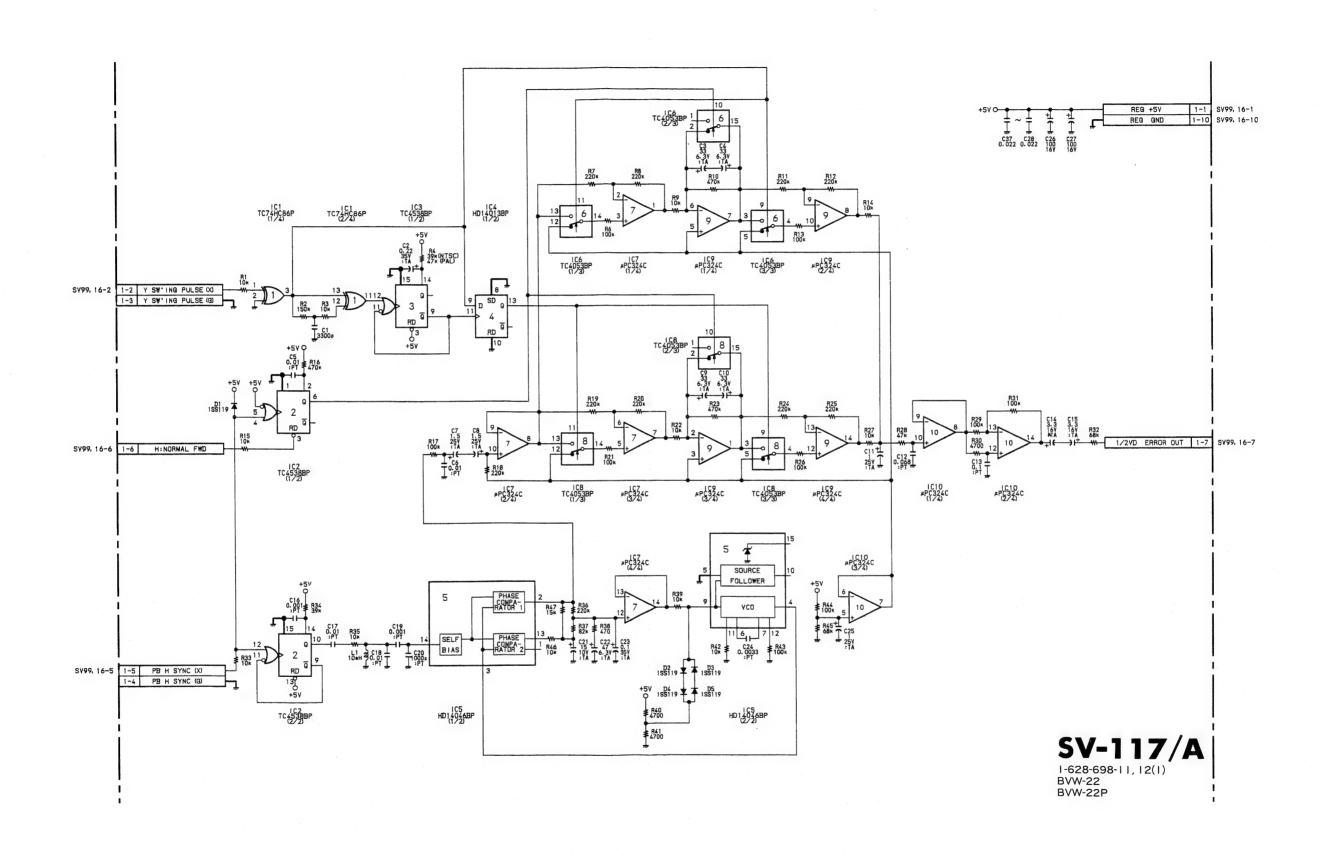
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SP728 / Druck 40

SV-117A; PICTURE SPLITTING COMPENSATOR

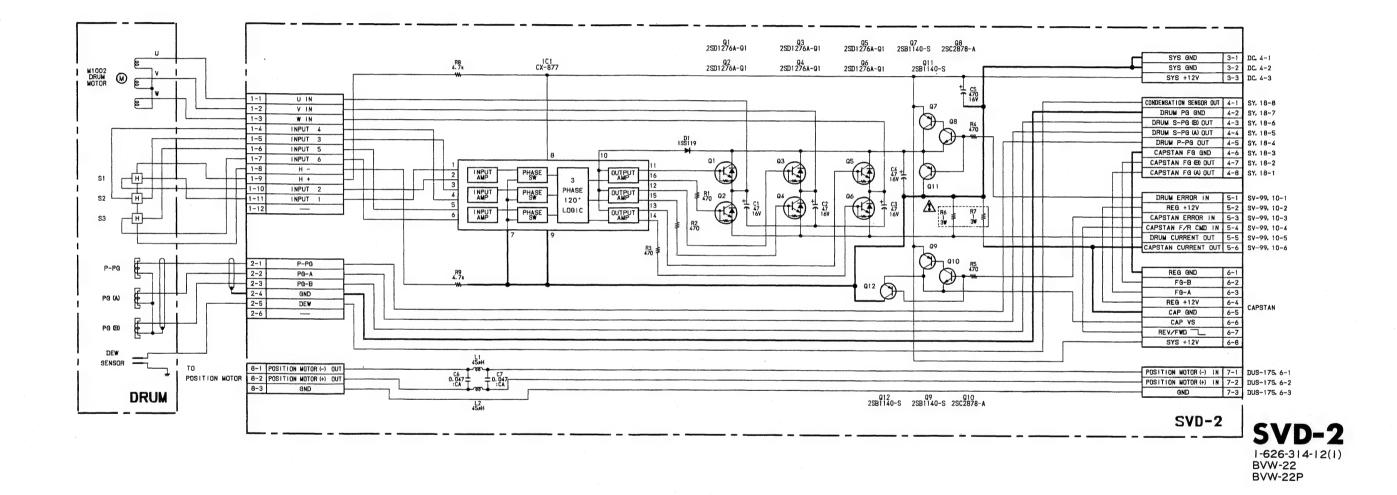


15-80

SP728 / Druck 42

15-79

SVD-2; DRUM/CAPSTAN MOTOR DRIVER



NOTE:

The shaded and <u>f</u>ranked components are critical to safety.
Replace only with same components as specified.

15-83

15-84

1

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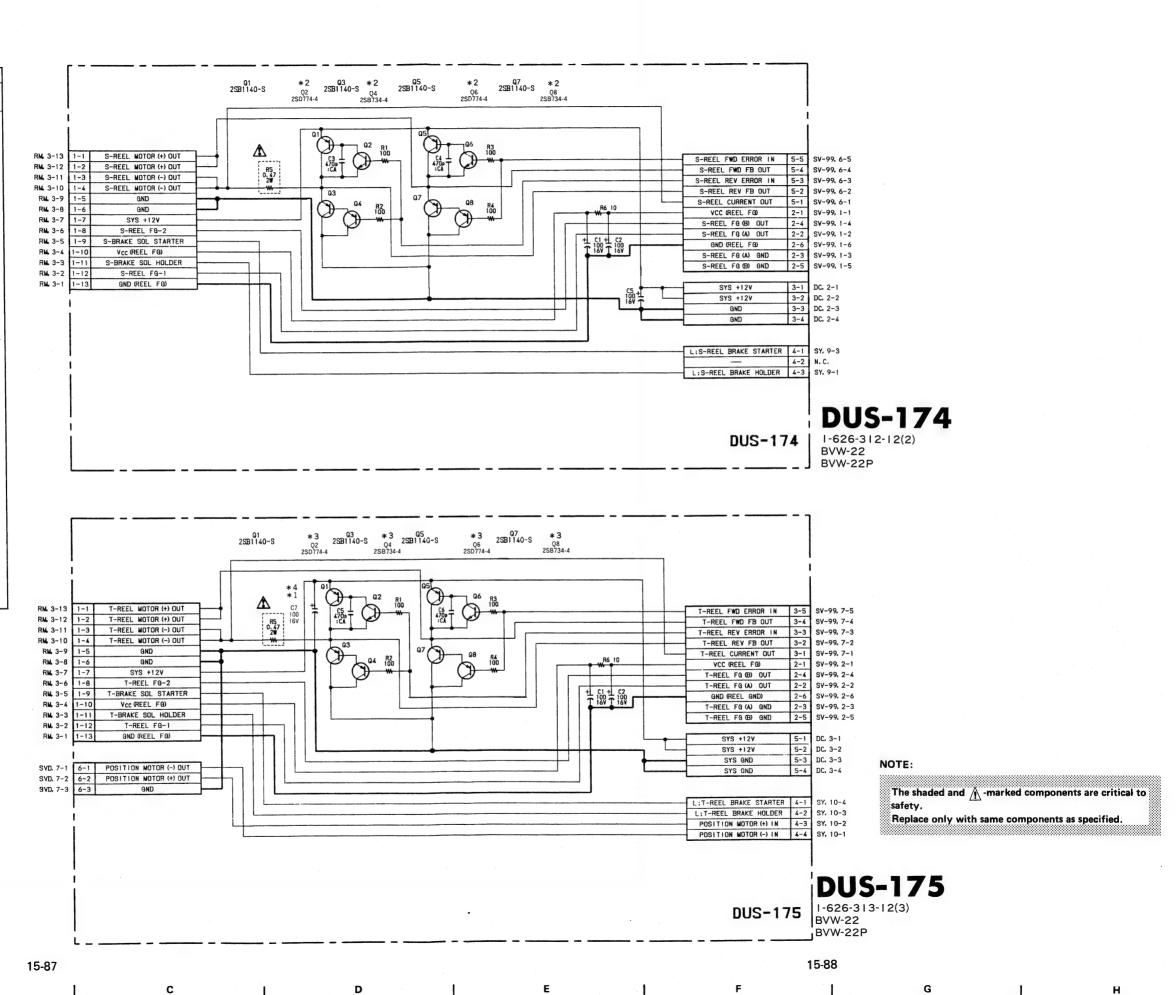
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Н

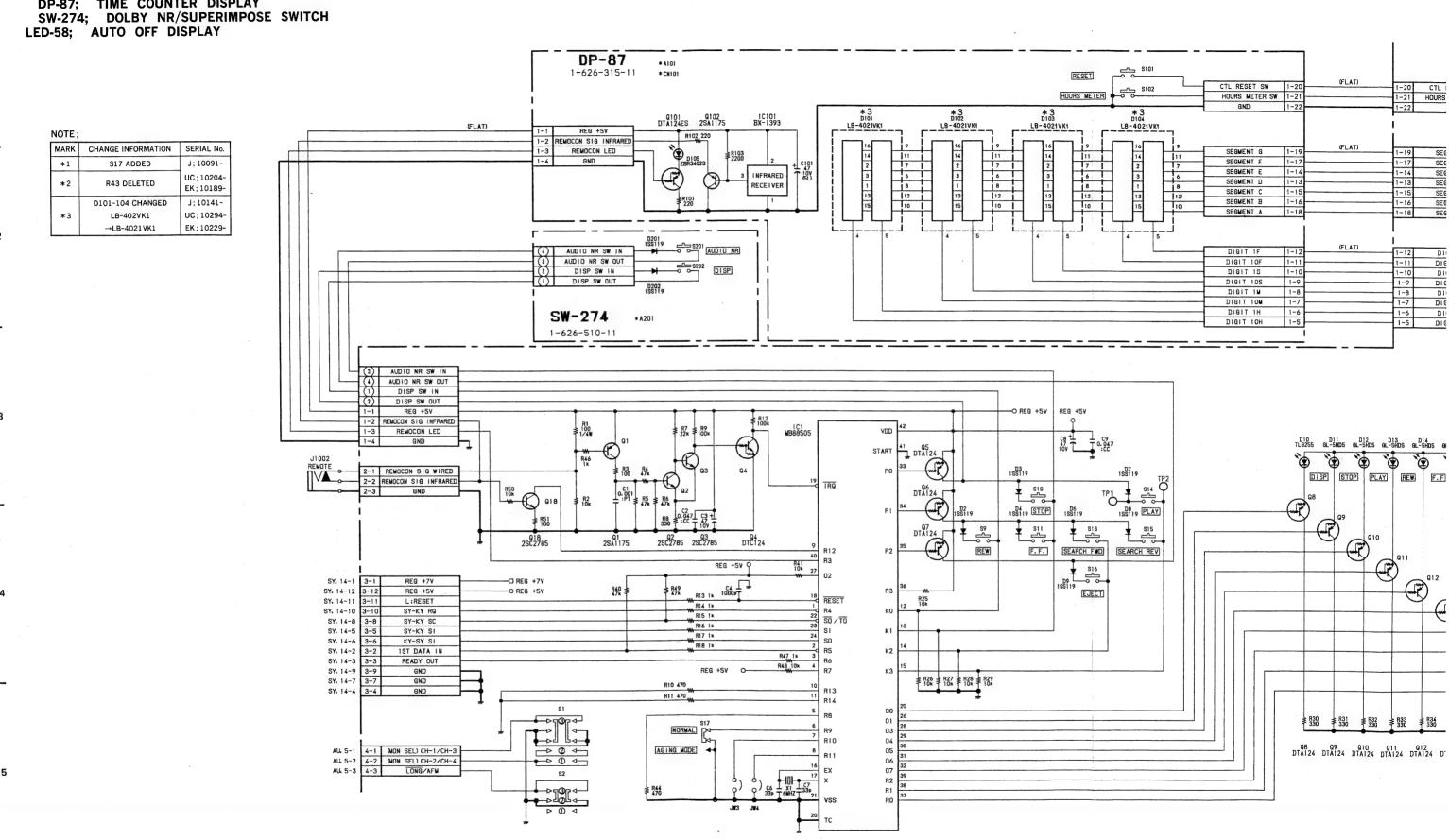
DUS-174; REEL MOTOR DRIVER DUS-175; REEL MOTOR DRIVER

1

١	NOTE;						
Γ	MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.			
Ī	*1	4-D	C7 ADDED	EK;10364-			
	*1		(DUS-175 BOARD)				
		1-D	Q2 CHANGED				
١			2SC2878-A				
١			1				
١			2SD774-4				
1		2-D	Q4 CHANGED				
١			2SA844-C				
			1				
١			2SB734-4				
١	*2	1-E	Q 6 CHANGED				
۱			2SC2878-A				
١			↓				
١			2SD774-4				
١		2-E	Q8 CHANGED				
			2SA844-C				
			†				
			2SB734-4				
1			(DUS-174 BOARD)	EK: 11143-			
		4-D	Q2 CHANGED	LK. 11145			
			2SC2878-A				
			↓				
			2SD774-4				
		4-D	Q4 CHANGED				
			2SA844-C				
			1				
			2SB734-4				
	*3	4-E	Q 6 CHANGED				
			2SC2878-A	_			
			1				
			2SD774-4				
		4-E	Q8 CHANGED				
			2SA844-C				
			1				
			2SB734-4				
			(DUS-175 BOARD)				
		4-D	C7 CHANGED				
	*4		0.047 25V→100 16V				
			(DUS-175 BOARD)				

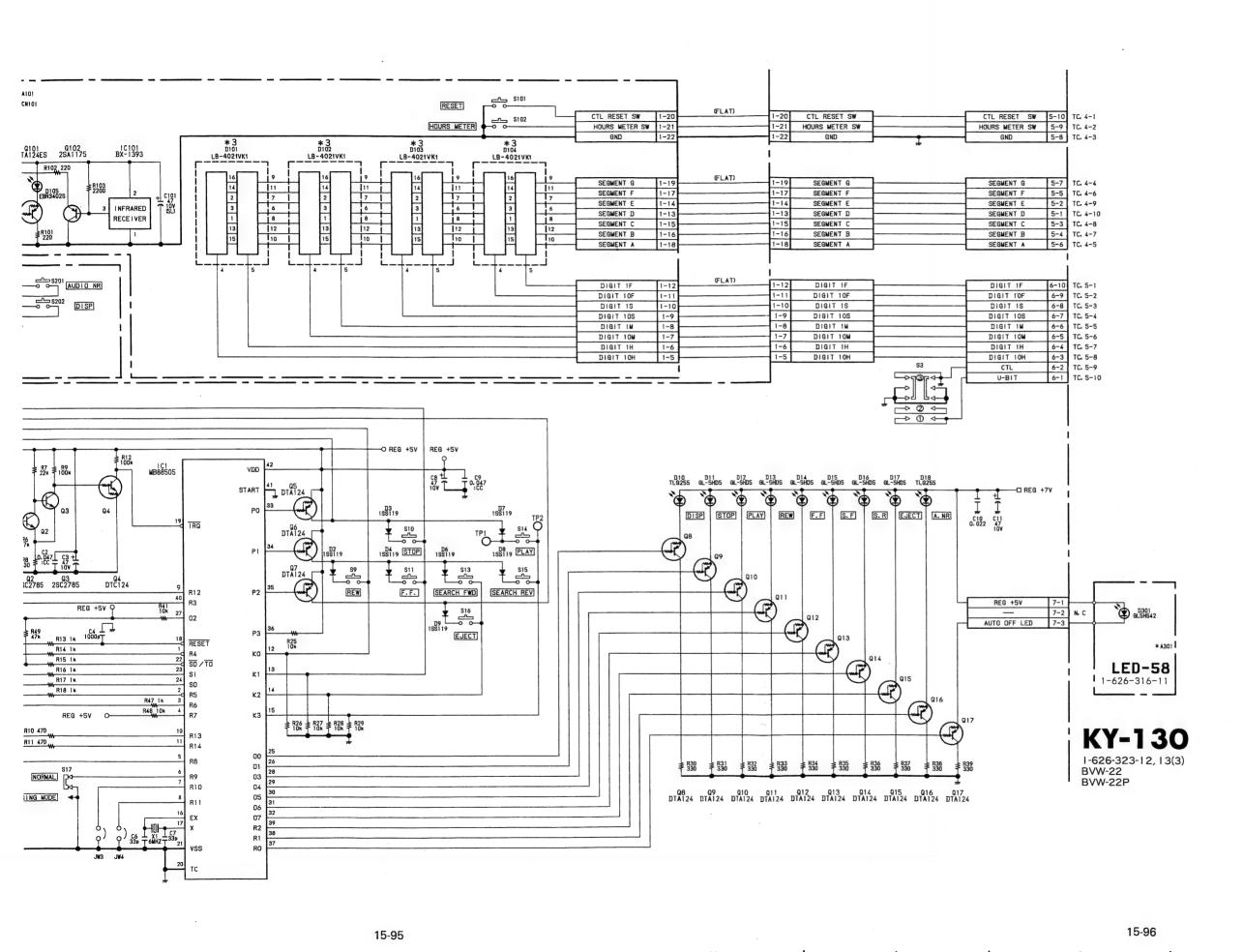


KY-130; FUNCTION KEY/DISPLAY DP-87; TIME COUNTER DISPLAY



15-95

15-94





1

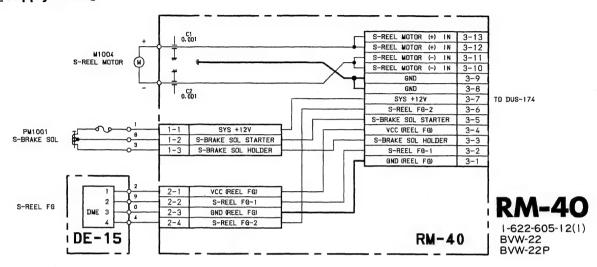
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3

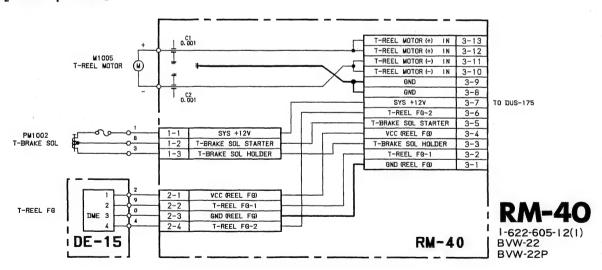
5

DE-15; REEL FG RM-40; RELAY BOARD FOR REEL MOTOR & BRAKE SOLENOID

[Supply Side]



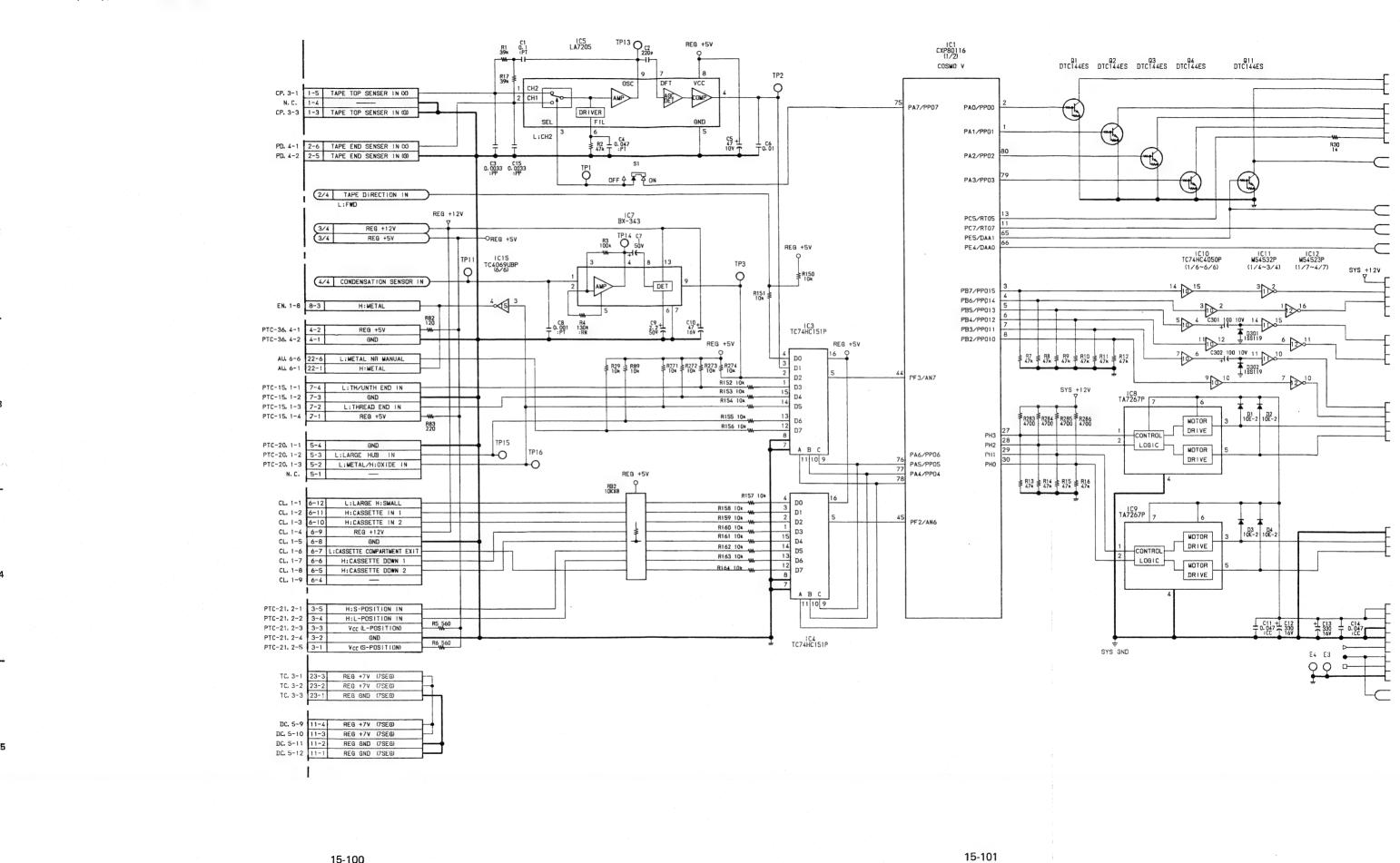
[Take-up Side]



С

D

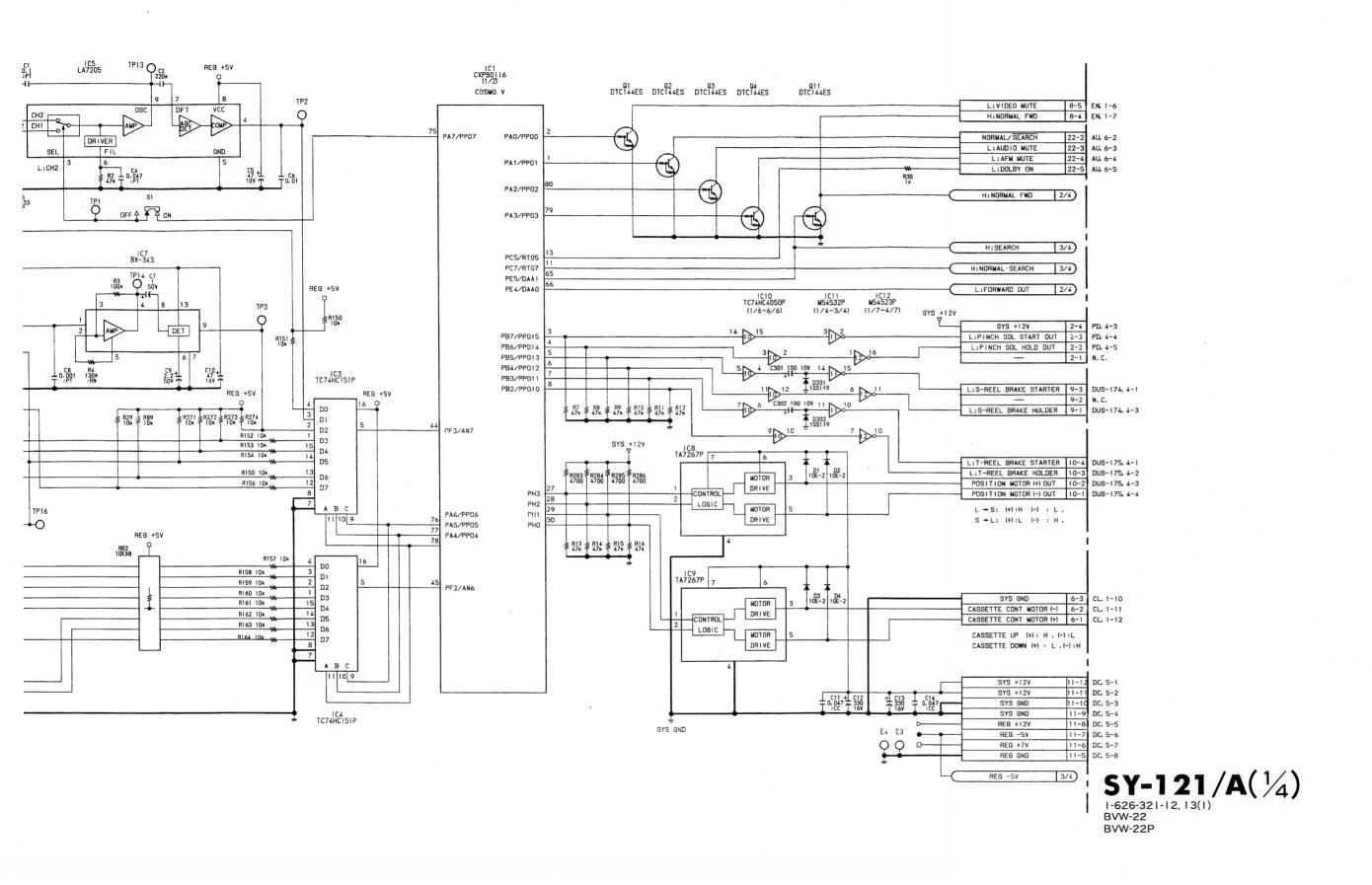
SY-121A(1/4); SYSTEM CONTROL



15-100

С

Н

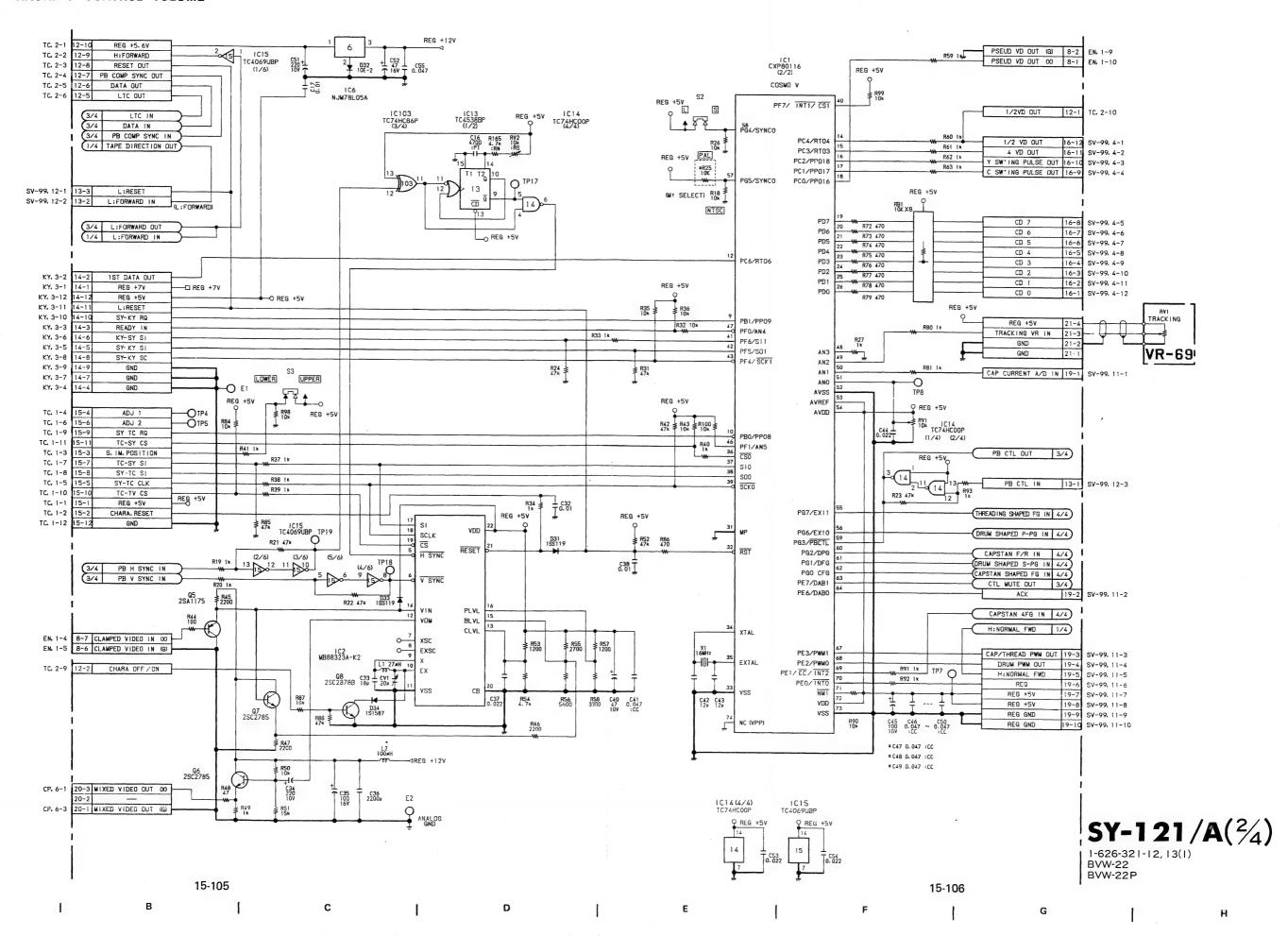


15-101

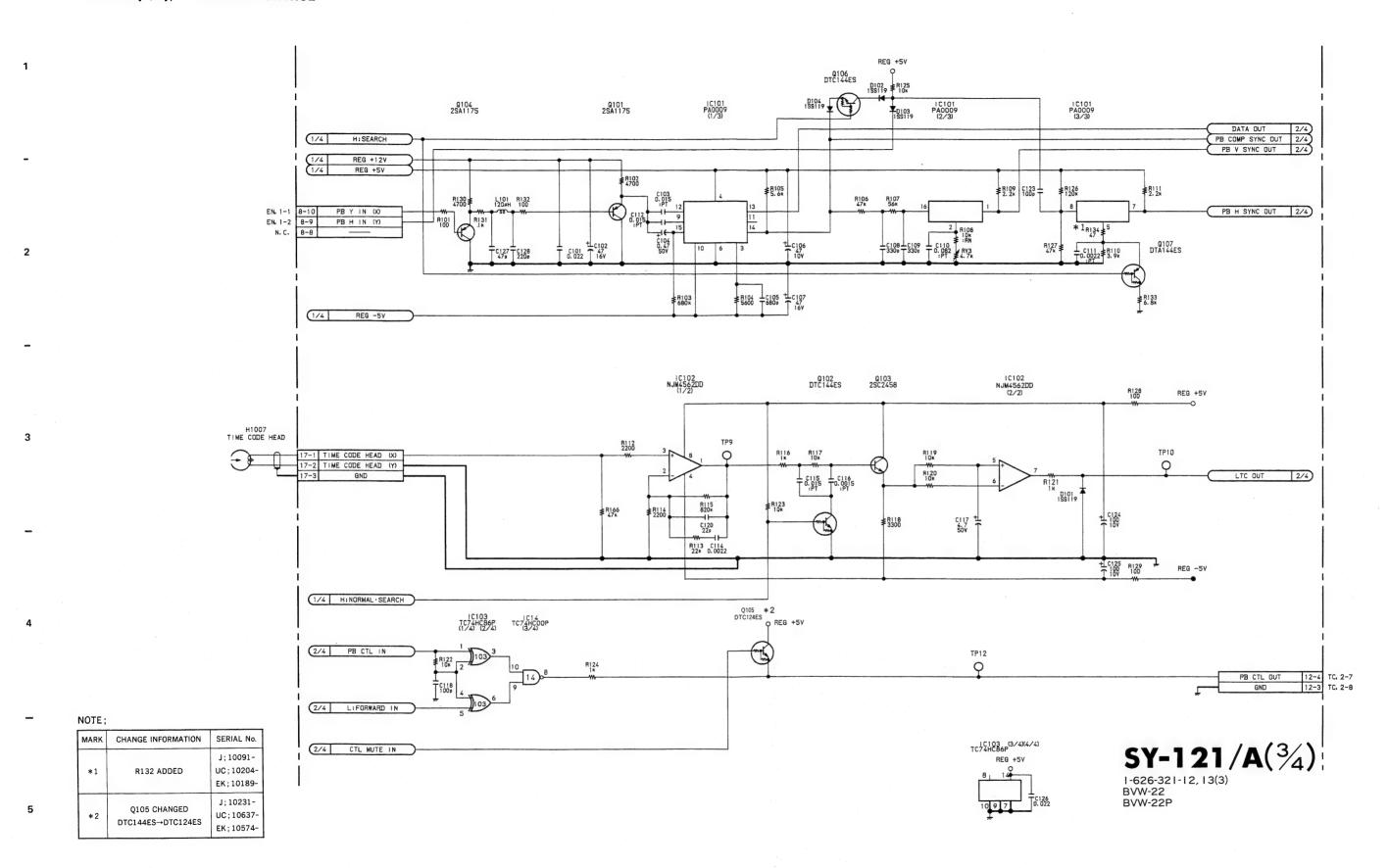
15-102

SP728 / Druck 50

SY-121A(2/4); SYSTEM CONTROL VR-69; TRACKING CONTROL VOLUME



SY-121A(3/4); SYSTEM CONTROL



15-110

SP728 / Druck 54

15-109

SVD. 4-8 18-1 CAPSTAN FG (A) IN SVD. 4-7 18-2 CAPSTAN FG (B) IN SVD. 4-6 18-3 CAPSTAN FG GND CAPSTAN SHAPED FG DUT 2/4 SVD. 4-5 18-4 DRUM P-PG IN R214 ≢ C206 4700 ≢ 1009 SVD. 4-4 18-5 DRUM S-PG (A) IN DRUM SHAPED S-PG OUT 2/4) 13 12 204 11 CAPSTAN 4FB DUT 2/4 R256 → D211 100k → 155119 SVD. 4-3 18-6 DRUM S-PG (B) IN SVD. 4-2 18-7 DRUM PG GND CAPSTAN F/R DUT 2/4 206 R220 220k R221 ≱ REG +5V REG +5V THREADING SHAPED FG OUT 2/4) CP, 3-4 1-2 THREADING FG IN (X)
CP, 3-5 1-1 THREADING FG IN (G) REG +5V SY-121/A(4/4)
1-626-321-12,13(1)
BVW-22
BVW-22
BVW-22P CONDENSATION SENSOR OUT 1/4) SVD, 4-1 18-8 CONDENSATION SENSOR IN BVW-22P

15-113 A | B | C | D | E | F | G | CCM-2; CASSETTE-UP COMPARTMENT MOTOR

CL-14; CASSETTE-UP COMPARTMENT

PC-33; CASSETTE-UP COMPARTMENT (CASSETTE UP/DOWN DETECTOR)

PC-41; CASSETTE-UP COMPARTMENT (CASSETTE IN DETECTOR)
PC-47; CASSETTE-UP COMPARTMENT (L/S DETECTOR)

PC-47 L; LARGE H; SMALL H:CASSETTE IN 1 332-6 H; CASSETTE IN 1 ... R1 2200 LED L/S 332-5 LED L/S H; CASSETTE IN 2 332-4 341-4 H: CASSETTE IN 2 LED IN 2 332-3 LED IN 2 R3 2200 SY, 6-12 331-1 L:LARGE H:SMALL 332-2 GND 341-2 GND SY, 6-11 331-2 H:CASSETTE IN 1 LED IN 1 LED IN 1 SY, 6-10 331-3 H:CASSETTE IN 2 SY, 6-9 331-4 SYS +12V PC-33 SY, 6-8 331-5 GND SY, 6-7 331-6 L;CASSETTE COMPARTMENT EXIT SY, 6-6 331-7 H:CASSETTE DOWN 1 H; CASSETTE DOWN 1 333-1 ... R4 2200 SY, 6-5 331-8 H: CASSETTE DOWN 2 LED OUT 333-2 SY. 6-4 331-9 333-SY. 6-3 331-10 SYS GND SY. 6-2 331-11 CASSETTE CONT MOTOR (-) 331-12 CASSETTE CONT MOTOR (+) H: CASSETTE DOWN 2 334-2 PC-41 PC-41 334-3 PC-33 **CL-14**

CASSETTE CONT MOTOR (+) 336-3

CASSETTE CONT MOTOR (-) 336-2

E

15-117

1-622-602-11(1)

BVW-22 BVW-22P

15-118

M1007 CASSETTE CONT BVW-22 WOTOR BVW-22P

1-1 CASSETTE CONT MOTOR (+)
1-2 CASSETTE CONT MOTOR (-)

CCM-2

SP728 / Druck 58

PD-35; PINCH SOLENOID

PTC-15; THREAD/UNTHREAD END SENSOR

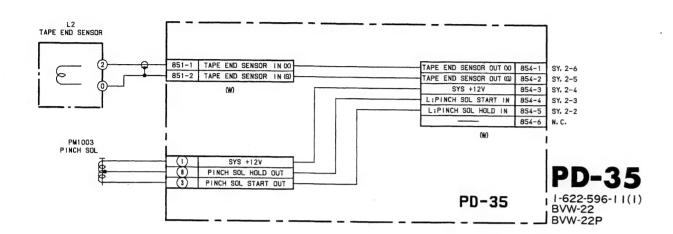
PTC-20; CASSETTE DETECTOR

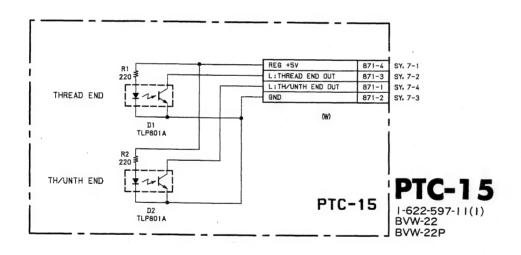
(TAPE THICKNESS, REEL HUB DIAMETER, METAL/OXIDE)

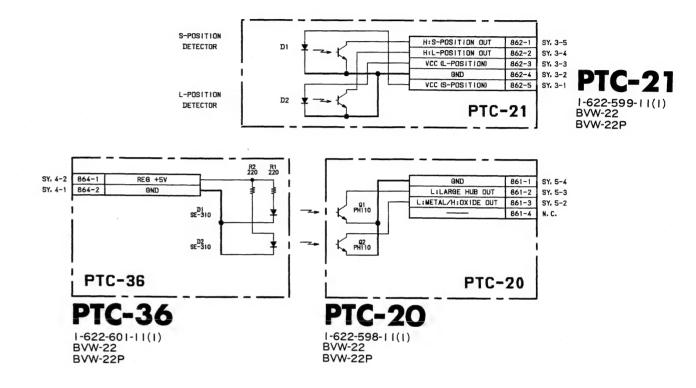
PTC-21: REEL TABLE POSITION DETECTOR

PTC-36; CASSETTE DETECTOR

(TAPE THICKNESS, REEL HUB DIAMETER, METAL/OXIDE)







15-121

15-122

SP728 / Druck 60

TC-49A; TIME CODE READER

MARK	CHANGE INFORMATION	SERIAL No.				
		J; 10091-				
*1	TP1 DELETED	UC;10204-				
		EK; 10189-				
	00 011411055	J; 10141-				
*2	Q9 CHANGED	UC; 10294-				
	2SD1685-F→2SD1685-G	EK; 10229-				
*3		J; 10091-				
	JW21, 27	UC; 10204-				
	ADDED	EK; 10189-				
		J; 10001				
		-10140				
*4	Badan ta a sharrantia dia masana	UC;10001				
*4	Refer to schematic diagram	-10293				
	-	EK;10061				
		-10228				
		J; 10141-				
*5	Refer to schematic diagram	UC;10294-				
	1.1	EK; 10229-				
		J; 10001				
*6		-10150				
	Bafas to cabamatic diamen	UC;10001				
	Refer to schematic diagram	-10332				
		EK;10061				
	1	1 ===, == 200				

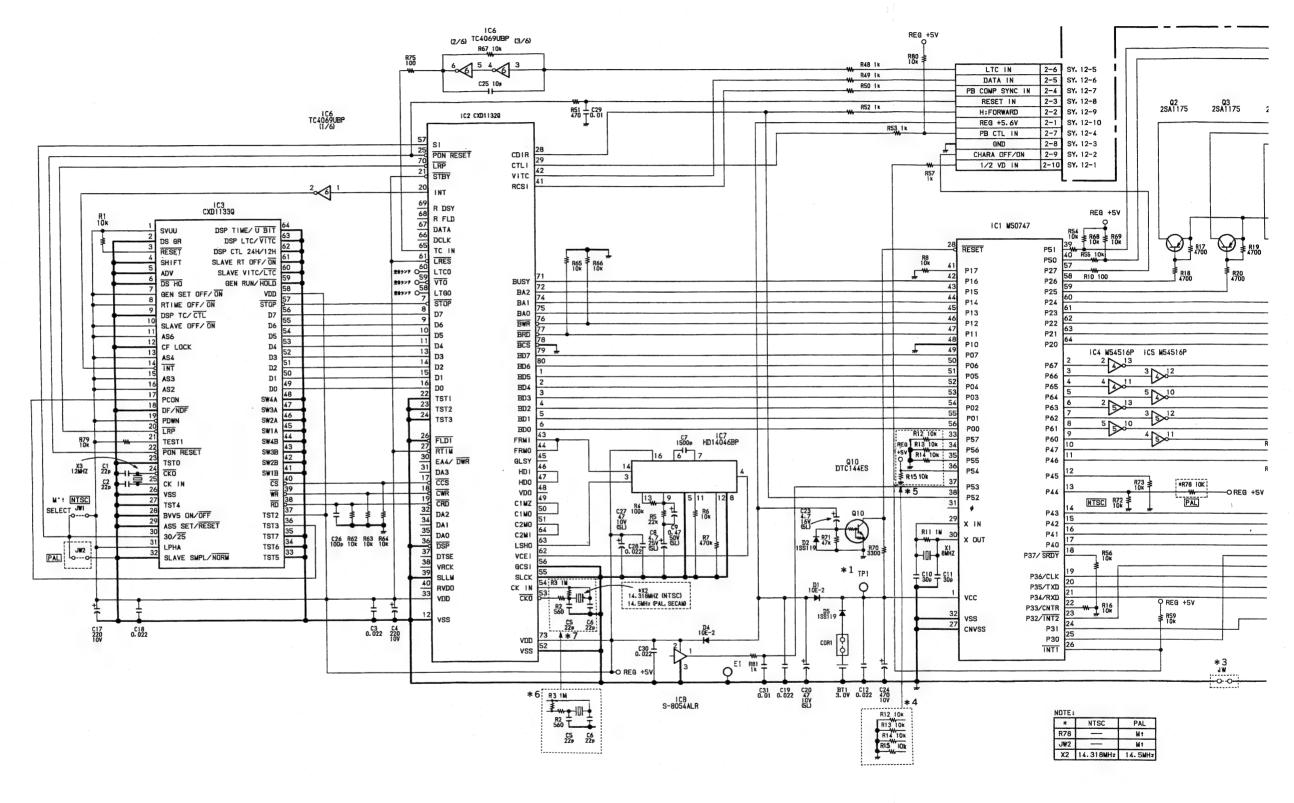
*7 Refer to schematic diagram

-10363

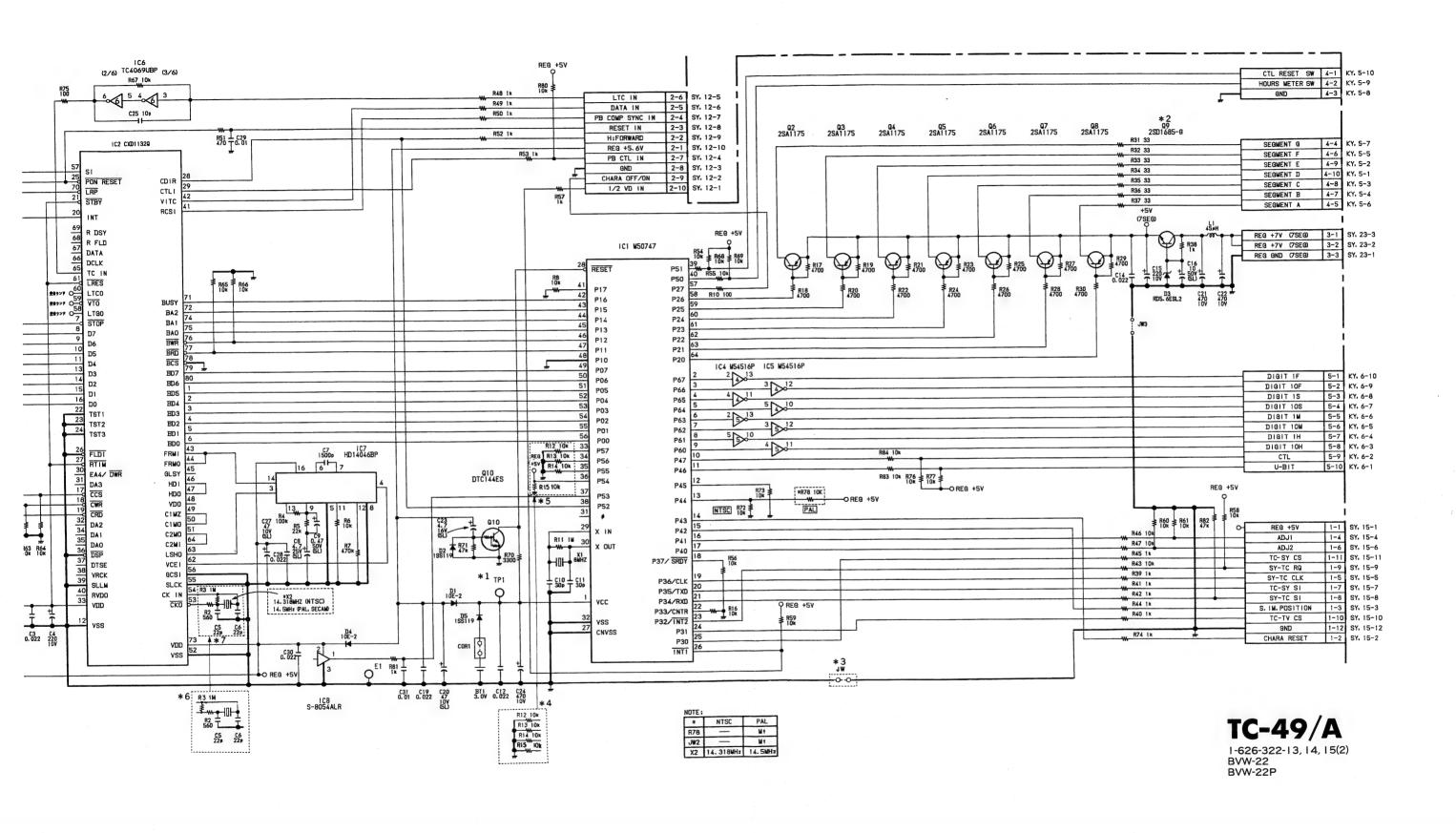
J; 10151-

UC;10333-

EK: 10364-



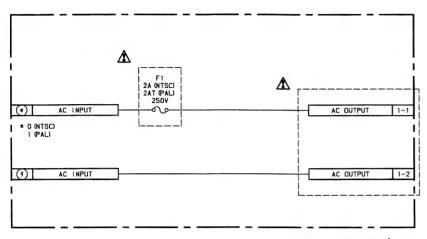
5



15-127 D | E | G | H | J | K

SP728 / Druck 62

UR-14E; SWITCHING REGULATOR AC-93A; AC INPUT



AC-93/A 1-626-309-11,12(1) BVW-22 1-626-309-21,22(1) BVW-22P

NOTE:

The shaded and $\underline{\hat{\Lambda}}$ -marked components are critical to safety. Replace only with same components as specified.

R202 0.02 (2W) Q202 25A1175 R208 470 (1/4W) R205 3300 (1/4W) D208 RD7.5EL2 1 AC IN 2 3 AC IN Q102 25C3317

15-132

С

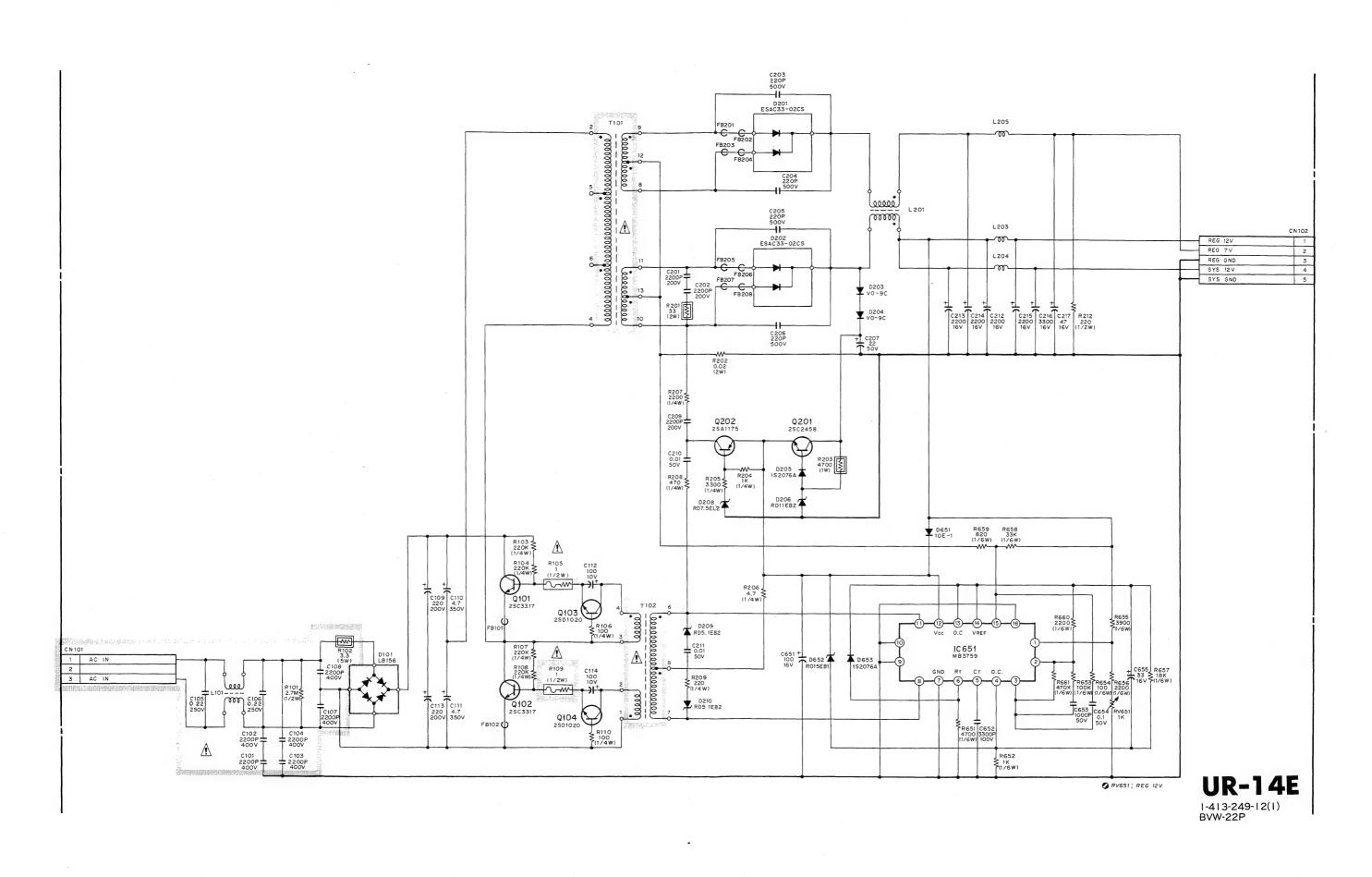
D

E

15-133

G

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SP728 / Druck 64

15-133

15-134

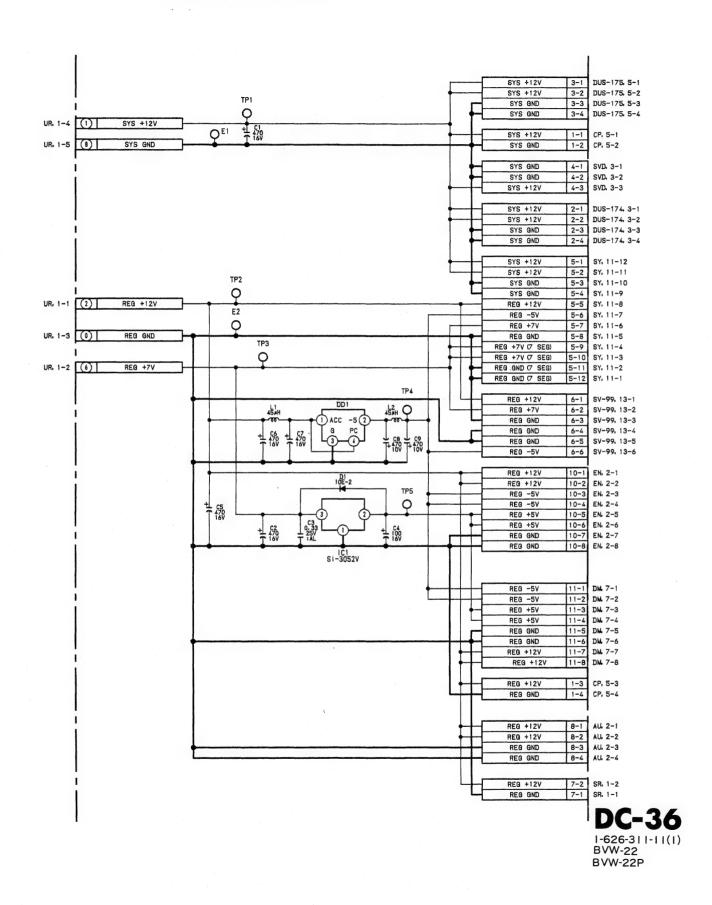


2

3

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DC-36; DC SUPPLY S/N UP TO 11057 (EK)



15-136 (a)

ŧ

I R

C

D



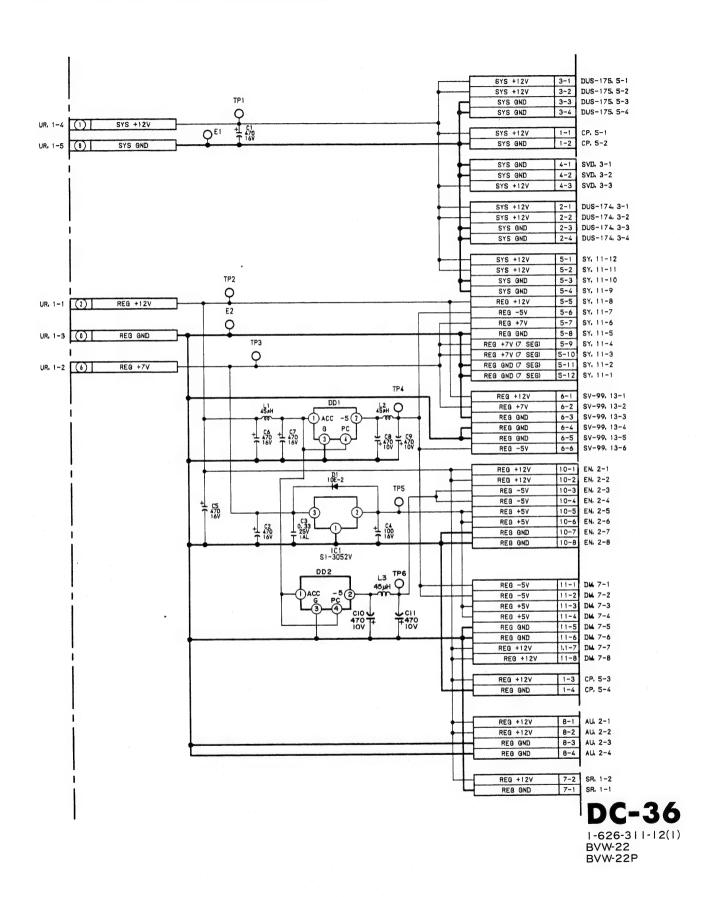
1

2

3

5

DC-36; DC SUPPLY S/N 11058 AND HIGHER (EK)



15-136 (b)

В

1

С

D

(CN4) B CN154 CN204 B (CN4) L1Y D0 OUT 00 1 EN-66A CN204-1 9 9
L1Y D0 OUT 03 2 EN-66A CN204-3 9 9
PB Y OUT 00 3 EN-66A CN204-3 9 9
PB Y OUT 00 4 EN-66A CN204-4 82
CCD CLK IN 00 5 EN-66A CN204-5 9
CCD CLK IN 03 6 EN-66A CN204-5 9 9 DM-74 CN154-1 1 L;Y DO IN (O)

80 DM-74 CN154-2 2 L;Y DO IN (G)

9 DM-74 CN154-3 3 PB Y IN (O)

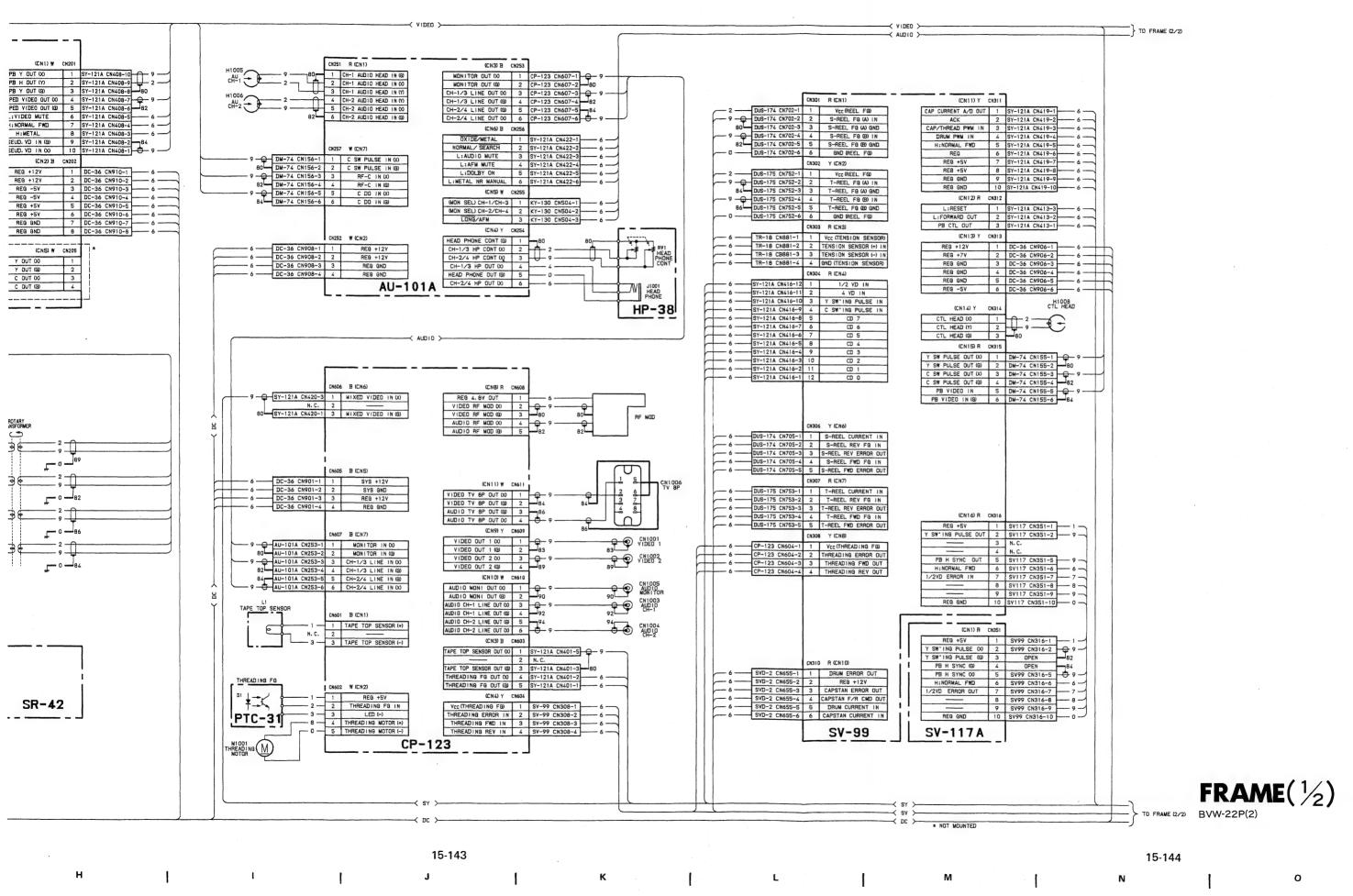
82 DM-74 CN154-3 4 PB Y IN (O)

9 DM-74 CN154-5 5 CCD CLK OUT (O)

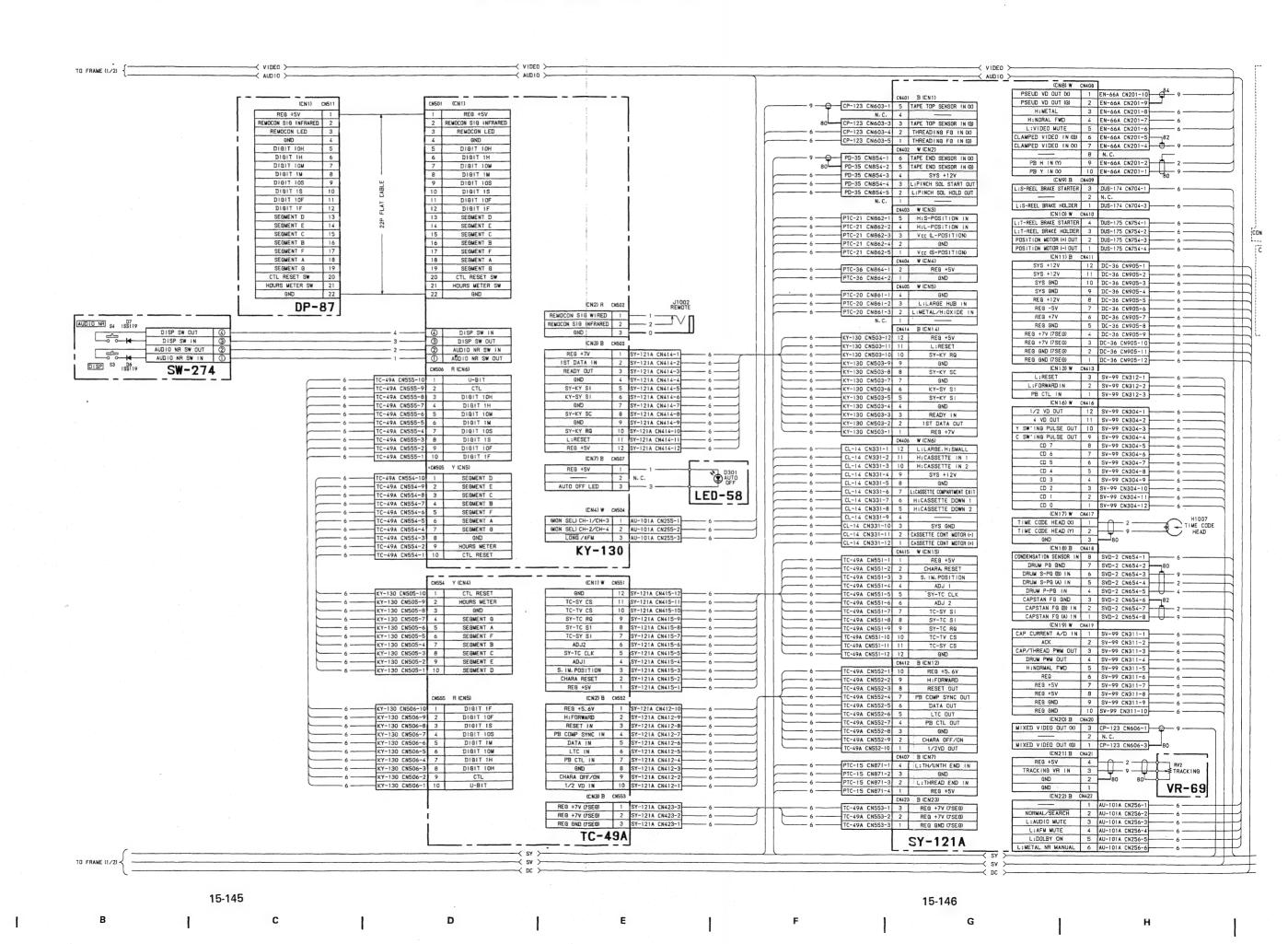
84 DM-74 CN154-6 6 CCD CLK OUT (O) CN151 W (CN1) (CN1) W CN20 PA-90 Y CH-A 00 1 Y CH-A RF IN 00
PA-90 Y CH-A 00 2 Y CH-A RF IN 00
PA-90 Y CH-A 00 3 Y CH-A RF IN 10
PA-90 Y CH-B 00 4 Y CH-B RF IN 00
PA-90 Y CH-B 00 5 Y CH-B RF IN 00
PA-90 Y CH-B 00 6 Y CH-B RF IN 00 PB Y OUT 03 1 SY-121A CN408-10 9
PB H OUT (Y) 2 SY-121A CN408-9 2
PB Y OUT (G) 3 SY-121A CN408-8 80
CLAWPED VIDEO OUT 00 4 SY-121A CN408-7 9 CLAMPED VIDEO OUT (Q) 5 SY-121A CN408-(CN3) W CN153 L:VIDEO MUTE 6 SY H: NORMAL FWD CN152 B (CN2) 7 SY-121A CN408-4 PA-90 C CH-A 00 1 C CH-A RF IN 00
PA-90 C CH-A 00 3 C CH-A RF IN 00
PA-90 C CH-A 00 3 C CH-A RF IN 00
PA-90 C CH-B 00 4 C CH-B RF IN 00
PA-90 C CH-B 00 5 C CH-B RF IN 00
PA-90 C CH-B 00 6 C CH-B RF IN 00
PA-90 C CH-B 00 6 C CH-B RF IN 00 H; METAL 8 SY-121A CN408-PSEUD. VD IN (G) 9 SY-121A CN408-8 SY-121A CN408-3 PSEUD. VD IN (X) 10 SY-121A CN408-1 (CN2) B CN202 REG +12V REG +12V 1 DC-36 CN910-1 2 DC-36 CN910-2 REG -5V 3 DC-36 CN910-3 4 DC-36 CN910-REG +5V 5 DC-36 CN910-5 6 DC-36 CN910-6 C SW PULSE OUT 00 1 AU-101A CN257-1 9
C SW PULSE OUT 03 2 AU-101A CN257-2 80
RF-C OUT 03 3 AU-101A CN257-3 9
RF-C OUT 03 4 AU-101A CN257-3 62
C DO OUT 00 5 AU-101A CN257-5 9
C DO OUT 00 6 AU-101A CN257-5 9
C DO OUT 00 6 AU-101A CN257-5 9 REG -5V REG GND 7 DC-36 CN910-7 DC-36 CN911-2 2 DC-36 CN911-3 3 REG -5V (CN5) W CN205 DC-36 CN911-4 DC-36 CN911-5 5 DC-36 CN911-6 6 DC-36 CN911-4 4 REG +5V REG GND REG GND Y DUT 00 Y DUT (Q) REG +12V (CN5) R CN155 Y SW PULSE IN 00 1 SV-99 CN315-1 99 CN315-2 SW PULSE IN 00 2 SV-99 CN315-2 SV-99 CN315-3 SV-99 CN315-3 SV-99 CN315-3 SV-99 CN315-4 SV-99 CN315-5 SV-99 CN315-5 SV-99 CN315-5 SV-99 CN315-6 SV-99 CN315 EN-66A DM-74 CN911 R (CN11) (CN4) W CN904
 SYS GND
 1
 SVD-2 CN653-1
 6

 SYS GND
 2
 SVD-2 CN653-2
 6

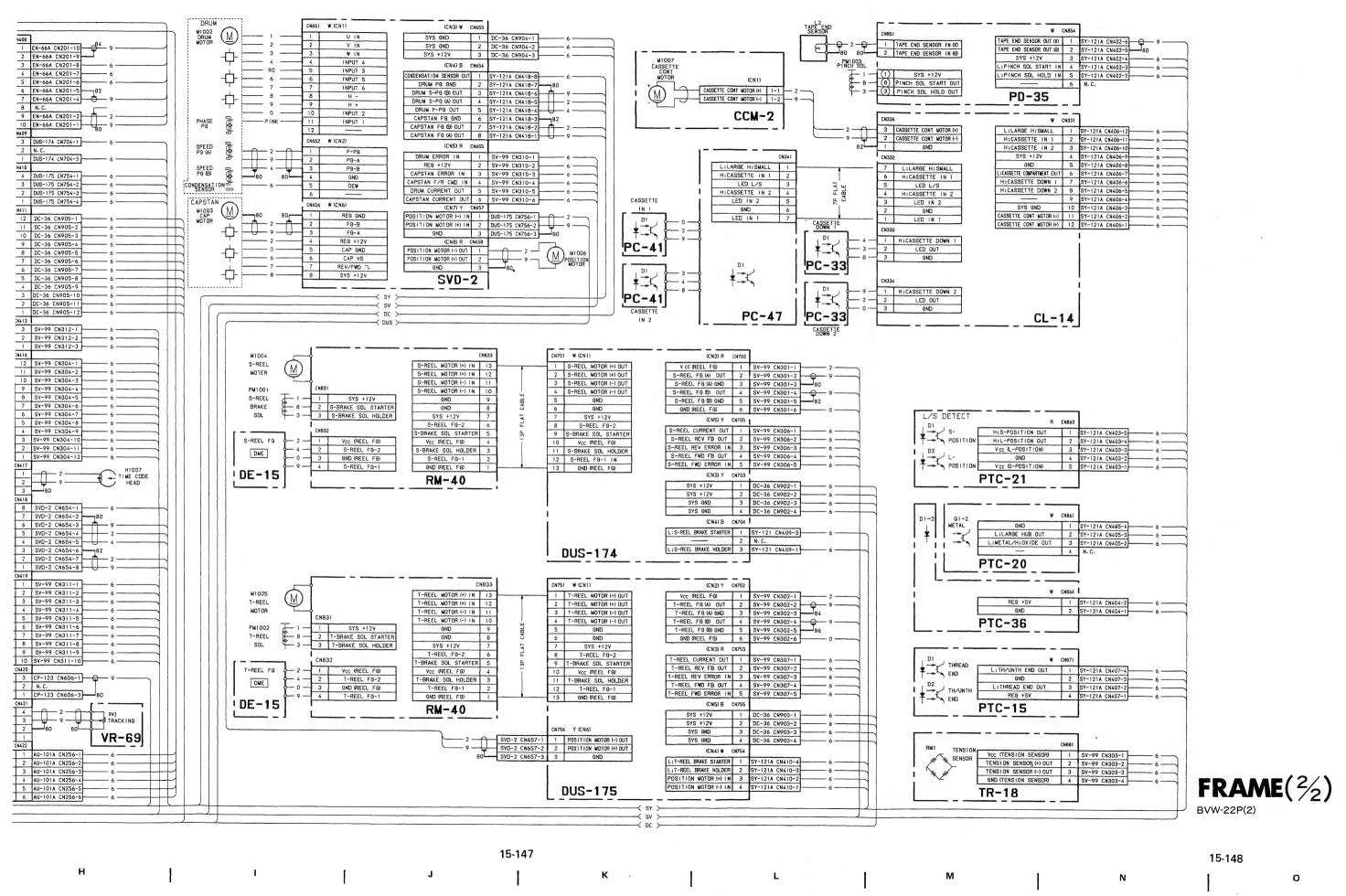
 SYS +12V
 3
 SVD-2 CN653-3
 6
 REG -5V DM-74 CN157-2 2 DM-74 CN157-3 3 DM-74 CN157-4 4 REG -5V REG +5V (CN1) B CN901 DM-74 CN157-5 5 - DM-74 CN157-6 6 REG GND DM-74 CN157-7 7
DM-74 CN157-8 8 REG +12V (CN2) Y CN902 AC-93A CN910 B (CN10) SYS +12V SYS +12V SYS GND EN-66A CN202-1 1 REG +12V (CN1) EN-66A CN202-2 2 EN-66A CN202-3 3 REG +12V SYS OND REG -5V AC OUTPUT 1
AC OUTPUT 2 H1003 C CH-A VIDEO HEAD 9 4 (CN3) B CN903 EN-66A CN202-4 4 EN-66A CN202-5 5 EN-66A CN202-6 6 REG +5V REG +5V --- 6 ---- EN-66A CN202-7 REG GND Δ H1004 C CH-B VIDEO HEAD 2 3 4 S1001 POWER REG +12V 1 AU-101A CN252-1 6 -REG +12V 2 AU-101A CN252-2 6 -REG QND 3 AU-101A CN252-3 6 -REG QND 4 AU-101A CN252-4 6 --PA-90 CN907 W (CN7) SR-42 CN111-1 1 REG GND SR-42 CN111-2 2 REG +12V (CN6) Y CN906 CN101 (CN2) REG -5V REG +12V 1 - 2 - 6 - REG 9ND 3 0 - SYS +12V 4 1 1 SY-121A CN411-12 2 SY-121A CN411-11 3 SY-121A CN411-10 SYS +12V REG +7V SYS +12V SYS GND DC-36 CN907-1 1 REG GND REG GND SYS +12V SY-121A CN411-9-6-SYS BND DC-36 CN907-2 2 SR-42 REG +12V 5 SY-121A CN411-8 - 6 -UR-14E 7 SY-121A CN411-6 - 6 -8 SY-121A CN411-5 - 6 -RFG +7V REG GND REG +7V (7'SEQ) 9 SY-121A CN411-4 6
REG +7V (7'SEQ) 10 SY-121A CN411-3 6
REG BAD (7'SEQ) 11 SY-121A CN411-2 6
REG BND (7'SEQ) 12 SY-121A CN411-1 6 DC-36 NOTE: The shaded and A -marked components are critical to safety. Replace only with same components as specified. 15-141 15-142 С D Н



FRAME(2/2)



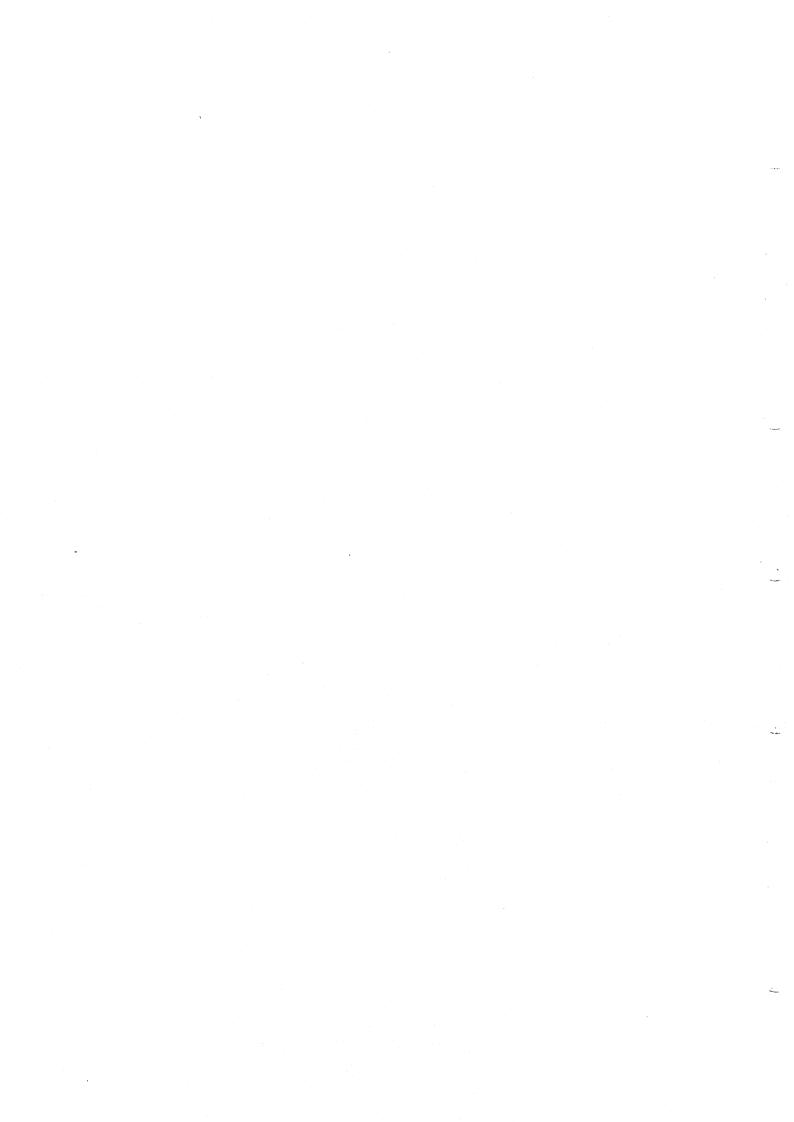
Α



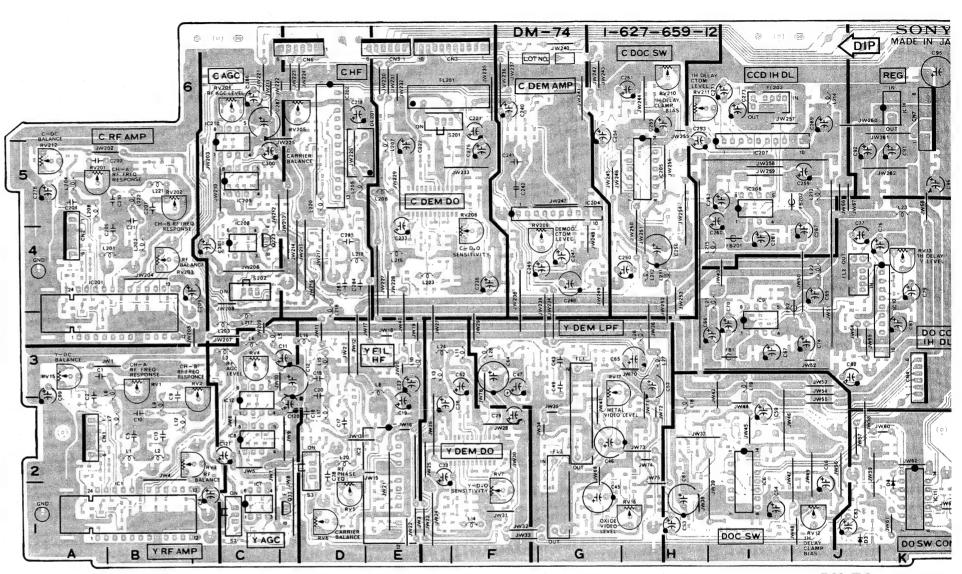
SECTION 16 PRINTED WIRING BOARDS

The circuit information is provided below.

SYSTEM	BOARD	CIRCUIT FUNCTION						
	DM-74	Video Demodulator						
VIDEO	EN-66A	Video Encoder						
	CP-123	Video Output Amplifier						
ALIDIO	AU-101A	Audio PB Amplifier						
AUDIO	HP-38	Headphones Volume/Jack						
	SV-99	Drum/Capstan/Reel Servo						
	SV-117A	Picture Splitting Compensator						
	SVD-2	Drum/Capstan Motor Driver						
CEDVO	DE-15	Reel FG						
SERVO	DUS-174	Reel Motor Driver						
	DUS-175	Reel Motor Driver						
	TR-18	Tape Tension Sensor						
	VR-69	Tracking Control Volume						
	KY-130	Function Key/Display						
	DP-87	Time Counter Display						
	SW-274	Dolby NR/Superimpose Switch						
	LED-58	Auto Off Display						
	SY-121A	System Control						
	CCM-2	Cassette-up Compartment Motor						
	CL-14	Cassette-up Compartment						
	PC-47	Cassette-up Compartment (L/S Detector)						
SYSTEM	PC-33	Cassette-up Compartment (Cassette Up/Down Detector)						
CONTROL	PC-41	Cassette-up Compartment (Cassette IN Detector)						
	PD-35	Pinch Solenoid						
	PTC-15	Thread/ Unthread End Sensor						
	PTC-20	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)						
	PTC-21	Reel Table Position Detector						
·	PTC-31	Threading Motor FG Detector						
	PTC-36	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)						
	RM-40	Relay Board for Reel Motor & Brake Solenoid						
TIME CODE	TC-49A	Time Code Reader						
	UR-14E	Switching Regulator						
POWER	AC-93A	AC Input						
	DC-36	DC Supply						

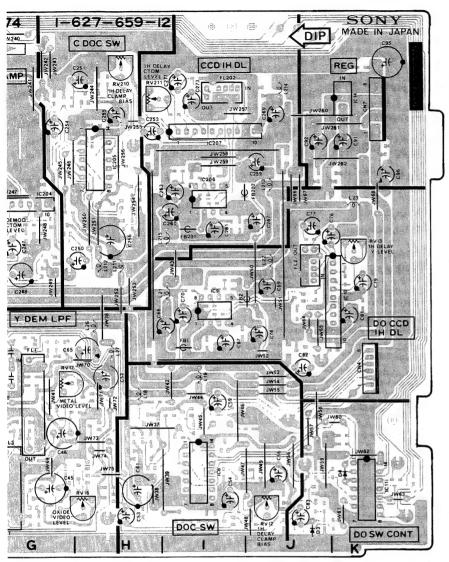


DM-74(1-627-659-12)										
CN1 CN2 CN3 CN4 CN5 CN6 CN7	A-2 C A-4 C F-6 C K-3 C E-6 C D-6 C K-6 C	Q11 Q13 Q14 Q15 Q16 Q17 Q18 Q19	F-3 S I-1 S I-2 S I-2 S I-2 S I-2 S I-2 S I-4 S	RV15 RV16 RV17 RV201 RV202 RV203 RV204 RV205	A-3 C H-1 C G-3 C A-5 C B-5 C B-4 C C-6 C D-6 C					
D1 D3 D4 D201	I-1 S J-1 C K-2 C H-6 S	Q20 Q21 Q22 Q23 Q24	J-3 S J-1 S C-5 S D-2 S G-3 S	RV206 RV209 RV210 RV211 RV212	F-4 C G-4 C H-6 C H-6 C A-5 C					
E1 E2 E201 E202 E203	D-5 C D-1 S H-1 S D-6 S G-4 S F-5 S	Q25 Q26 Q27 Q28 Q29 Q30 Q31	G-2 S G-1 S G-1 S E-3 S E-3 S H-1 S F-1 S	S2 S3 S201 S202	C-1 C D-2 C E-6 C C-4 C					
FL1 FL2 FL3 FL201 FL202	F-3 C J-4 C G-1 C F-6 C	Q32 Q33 Q34 Q35 Q36 Q37	C-1 S D-1 C D-2 S H-2 S G-2 S H-2 S	TP2 TP3 TP4 TP5 TP6 TP7	B-2 S C-2 S C-1 S C-1 S D-2 S D-1 S					
IC1 IC2 IC4 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC14 IC201 IC202 IC203 IC204 IC205 IC206 IC207 IC208 IC209 IC209	B-1 C E-2 S I-2 C C-1 C C-2 C I-3 C K-4 C C-2 C K-6 C C-2 C K-6 C C-5 C I-5 C I-5 C I-5 C I-5 C I-5 C I-5 C I-5 C I-6 C I-6 C I-7 C	Q38 Q39 Q201 Q202 Q203 Q204 Q205 Q206 Q208 Q209 Q210 Q213 Q214 Q215 Q216 Q217 Q218 Q219 Q220 Q222 Q223 Q224	H-2 S H-1 S B-4 S A-4 S C-4 S C-4 S F-6 S G-4 S G-4 S D-5 S C-4 C C-5 S	TP9 TP11 TP12 TP13 TP14 TP15 TP16 TP201 TP202 TP203 TP204 TP205 TP206 TP207 TP208 TP209 TP210 TP211 TP212 TP213	J-2 S H-1 S J-2 S K-2 S K-1 S J-5 S B-4 S B-4 S B-4 S D-4 S D-4 S D-4 S C-6 S F-5 S G-4 S G-6 S H-5 S	SIDE				
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9	C-3 S C-2 S A-1 S A-1 S D-3 S D-2 S D-2 S E-1 S D-1 S	RV1 RV2 RV3 RV4 RV5 RV6 RV7 RV12	B-3 C C-2 C B-2 C C-3 C D-1 C D-1 C F-1 C J-1 C K-4 C	*•* S	; SOLDERING	SIDE				

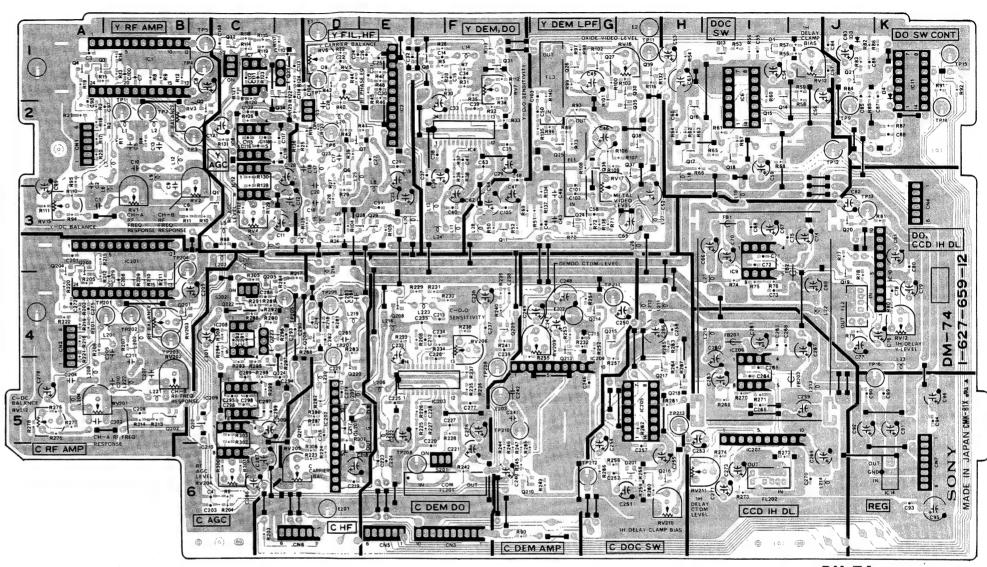


DM-74 -- COMPONENT ! 1-627-659-12(1) BVW-22P

16-3 (a)



DM-74 —COMPONENT SIDE— I-627-659-12(I) BVW-22P

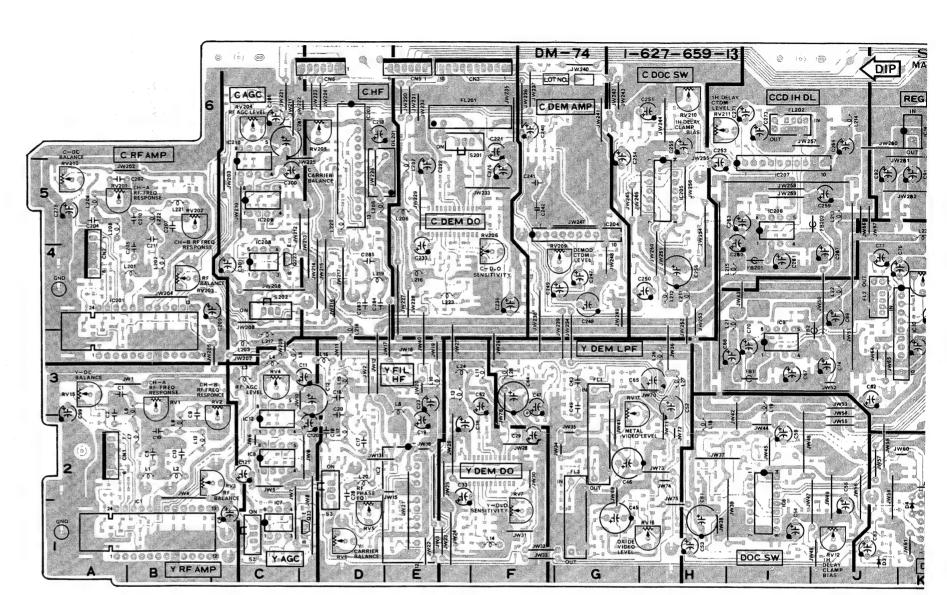


DM-74 - SOLDERING SIDE-1-627-659-12(1) BVW-22P

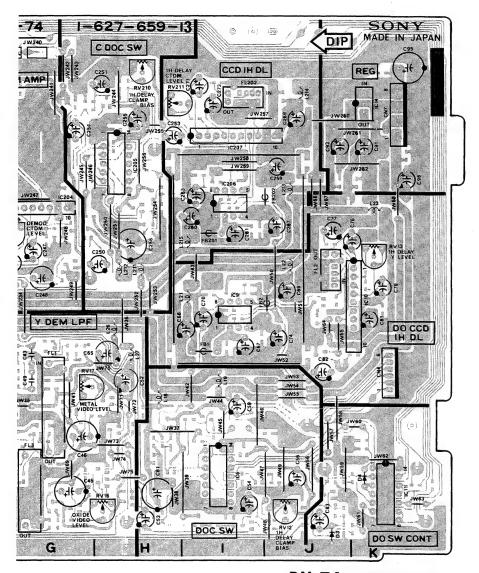
DM-74 (1-6	527-659-1	13)			
CN1 CN2 CN3 CN4 CN5 CN6	A-2 C A-4 C F-6 C K-3 C E-6 C D-6 C K-6 C	Q5 ^ Q6 Q7 Q8 Q9 Q11 Q13 Q14	D-3 S D-2 S D-2 S E-1 S D-1 S F-3 S I-1 S	RV2 RV3 RV4 RV5 RV6 RV7 RV12 RV13	C-2 C C-2 C C-3 C D-1 C D-1 C F-1 C J-1 C K-4 C
D1 D3 D4 D201	I-1 S J-1 C K-1 C H-6 S	Q15 Q16 Q17 Q18 Q19	I-2 S H-2 S H-2 S I-2 S J-4 S	RV15 RV16 RV17 RV201 RV202	A-3 C H-1 C G-3 C A-5 C B-5 C
DL201	D-5 C	Q20 Q21	J-3 S J-1 S	RV203 RV204	B-4 C C-6 C
E1 E2 E4 E201 E202 E203 E204	D-1 S H-1 S A-2 S D-6 S G-4 S F-5 S A-4 S	Q22 Q23 Q24 Q25 Q26 Q27 Q28	C-5 S D-2 S G-3 S G-2 S G-1 S G-1 S E-3 S	RV205 RV206 RV209 RV210 RV211 RV212	D-6 C F-4 C G-4 C H-6 C H-6 C A-5 C
FL1 FL2 FL3 FL201	F-2 C J-4 C G-1 C F-6 C	Q29 Q30 Q31 Q32 Q33	E-3 S H-1 S F-1 S C-1 S D-1 C	\$2 \$3 \$201 \$202	C-1 C D-2 C E-6 C C-4 C
FL202	I-6 C		D-1 S H-2 S	TP1 TP2	B-2 S B-2 S
IC1 IC2 IC4 IC6 IC7 IC8	B-1 C E-2 C F-2 S I-2 C C-1 C C-2 C		G-2 S H-2 S H-2 S H-1 S B-4 S B-5 S	TP3 TP4 TP5 TP6 TP7 TP9	C-2 S C-1 S C-1 S D-2 S D-1 S J-2 S
IC9 IC10 IC11 IC12 IC14	I-3 C K-4 C K-1 C C-2 C K-6 C	Q204 Q205 Q206	A-3 S A-3 S C-4 S D-4 S E-4 S	TP11 TP12 TP13 TP14 TP15	H-1 S J-2 S J-3 S K-2 S K-1 S
IC201 IC202 IC203 IC204 IC205	A-4 C D-6 C E-5 S G-5 C H-5 C	Q209 Q210 Q213 Q214	F-4 S F-6 S G-4 S G-4 S G-4 S	TP16 TP201 TP202 TP203 TP204	J-5 S B-4 S B-4 S B-3 S
IC206 IC207 IC208 IC209 IC210	I-5 C I-5 C C-4 C C-5 C	Q217 Q218 Q219 Q220	H-6 S H-5 S H-5 S D-5 S	TP205 TP206 TP207 TP208 TP209	D-4 S D-4 S D-4 S E-6 S F-5 S
Q1 Q2 Q3 Q4	C-3 S C-2 S A-1 S	Q224	C-4 S C-4 C C-5 S	TP210 TP211 TP212 TP213	F-5 S G-4 S G-6 S H-5 S

- C; COMPONENT SIDE

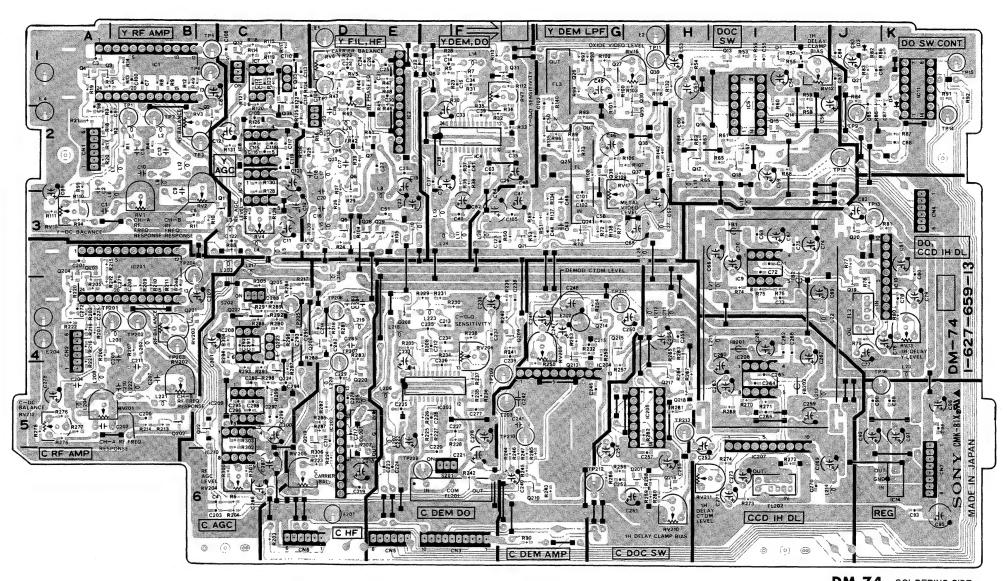
- S; SOLDERING SIDE



DM-74 —comi 1-627-659-13(1) BVW-22P



DM-74 —COMPONENT SIDE— I-627-659-13(I) BVW-22P



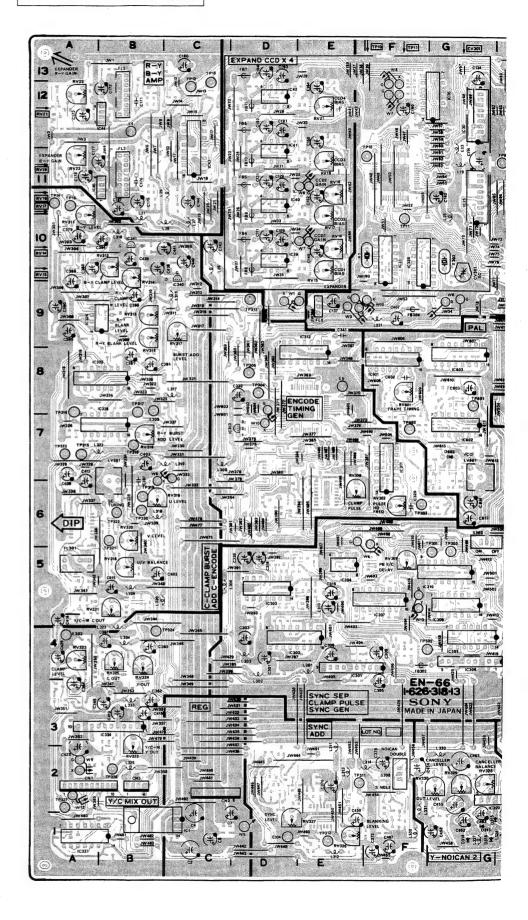
DM-74 —SOLDERING SIDE— I-627-659-I 3(I) BVW-22P

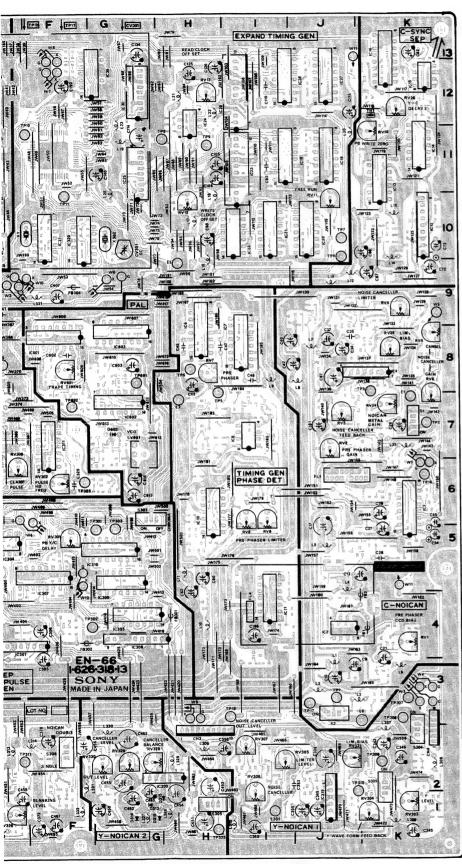
16-5 (b)

EN-66A; VIDEO ENCODER

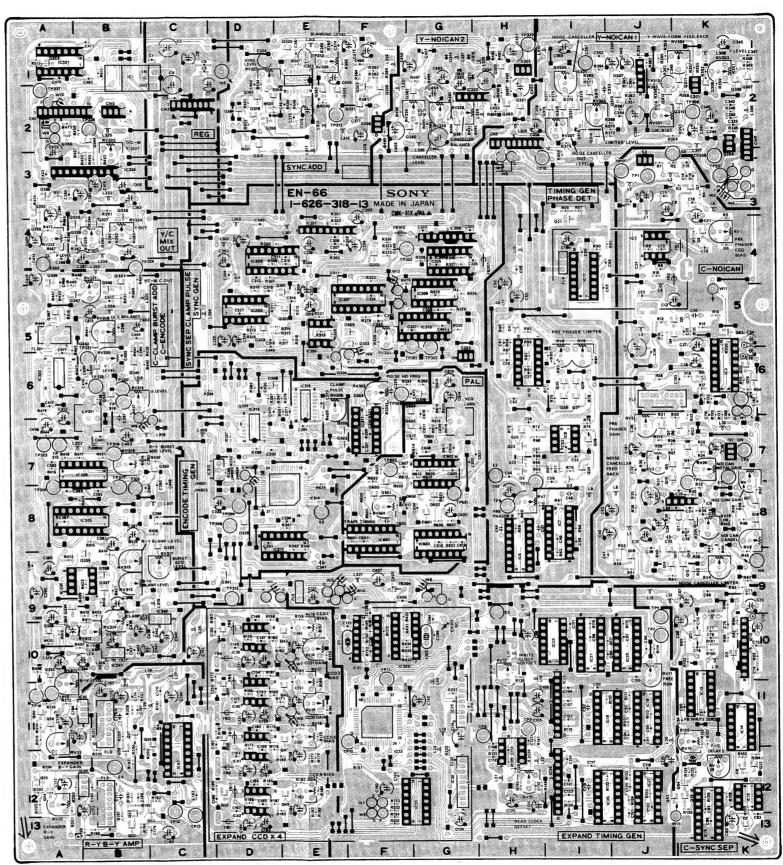
S/N UP TO 10188 (EK)

EN-66A(1-626-318-1	3)										
CNII	A 2 C	IC3	K-6 C	IC334	B-3 C	050	A 11 C	0200		מעמח	D 2 C	TD200 B.C. O
CN1 CN2	A-2 C C-2 C	IC3	K-8 C	IC340	C-10 C	Q59 Q60	A-11 S A-11 S	Q360 Q361	H-2 S G-2 S	RV322 RV323	B-2 C A-4 C	TP322 B-6 C TP323 A-7 C
CN3	H-2 C	IC6	H-8 C	IC340	B-10 C	Q60 Q61	K-7 S	Q362	G-2 S	RV323	B-4 C	TP324 B-4 C
CN4	K-2 C	IC7	1-8 C	IC601	F-8 C	Q61 Q62	K-7 S	Q362 Q363	E-2 S	RV324 RV325	B-4 C	
		IC8	1-8 C	IC602	G-7 C	_						
CN5	B-2 C					Q63	J-12 S	Q364	D-2 S	RV326	E-1 C	TP326 B-2 C
0)/201	0100	IC10	H-6 C	IC603	G-8 C	Q64	K-12 S	Q365	D-2 S	RV327	D-1 C	TP327 A-2 C
CV301	G-10 C	IC11	1-4 C	11/201	D'C O	Q301	E-5 S	Q366	G-2 S	RV328	G-2 C	TP601 G-8 C
		IC12	K-10 C	LV301	B-6 C	Q302	F-4 S	Q367	A-5 S	RV329	G-2 C	TP602 F-7 C
D1	K-8 S	IC13	K-11 C	LV601	G-7 C	Q303	F-7 S	Q368	A-3 S	RV330	G-2 C	
D2	H-7 S	IC14	K-11 C			Q304	E-6 S	Q601	F-8 S	RV331	J-2 C	X1 F-10 C
D3	I-7 S	IC15	K-12 C	Q1	K-3 S	Q305	F-7 S	Q602	F-7 S	RV601	F-8 C	X302 G-10 C
D4	H-5 S	IC16	K-13 C	Q2	K-4 S	Q307	K-1 S	Q603	G-8 S			
D5	K-10 S	IC18	I-11 C	Q3	J-5 S	Q308	K-2 S	Q604	G-6 S	S1	K-7 C	*-* C; COMPONENT SIDE
D6	K-12 S	IC19	J-11 C	Q4	J-5 S	Q309	K-2 S	Q605	G-7 S	S2	J-3 C	*-* S; SOLDERING SIDE
D7	K-13 S	IC20	J-10 C	Q5	K-6 S	Q310	K-2 S			S301	K-2 C	
D15	K-12 S	IC21	I-10 C	Q6	J-7 S	Q311	K-1 S	RV1	K-4 C	S303	G-6 C	
D301	E-5 S	IC22	I-10 C	Q7	J-7 S	Q312	J-2 S	RV2	J-7 C	S304	K-2 C	
D302	D-5 S	IC23	I-11 C	Q8	K-7 S	Q313	J-2 S	RV3	J-7 C	S305	H-1 C	
D303	F-5 S	IC24	H-12 C	Q9	J-7 S	Q314	I-2 S	RV4	K-9 C	S306	F-2 C	
D305	F-5 S	IC25	G-11 C	Q10	J-7 S	Q315	I-2 S	RV5	K-8 C			
D306	F-6 S	IC26	I-12 C	Q11	K-8 S	Q316	I-2 S	RV6	K-7 C	TP1	J-3 C	
D307	J-2 S	IC27	J-12 C	Q12	K-9 S	Q317	I-2 S	RV7	H-8 C	TP2	K-7 C	
D308	D-6 S	IC28	I-12 C	Q13	J-9 S	Q318	1-2 S	RV8	I-6 C	TP3	K-7 C	
D309	G-6 S	IC30	G-12 C	Q14	J-9 S	Q319	I-2 S	RV9	I-6 C	TP4	J-10 C	
D311	E-4 S	IC31	F-10 C	Q15	K-9 S	Q320	F-2 S	RV10	K-11 C	TP5	H-8 C	
D313	G-1 C	IC33	F-11 S	Q16	K-8 S	Q321	F-2 S	RV11	J-10 C	TP6	H-8 C	
D314	G-1 C	IC35	G-12 C	Q17	K-8 S	Q322	F-2 S	RV12	H-10 C	TP7	J-10 C	
D315	G-1 C	IC39	D-10 C	018	J-9 S	Q323	E-2 S	RV13	H-12 C	TP8	H-11 C	
D316	G-1 C	IC40	D-11 C	Q19	K-6 S	Q324	D-6 S	RV14	E-10 C	TP9	H-11 C	
D317	D-2 S	IC41	D-12 C	Q20	K 6 S	Q325	E-1 S	RV15	E-10 C	TP10	F-11 C	
D317	D-2 S	IC42	D-12 C	Q21	I-4 S	Q326	B-3 S	RV16	E-11 C	TP11	F-10 C	
D319	D-2 S	IC43	C-12 C	Q22	H-7 S	Q327	B-4 S	RV17	E-11 C	TP12	C-12 C	
D319	D-2 3	IC44	B-12 C	Q23	H-7 S	Q327	A-4 S	RV17	E-11 C	TP13	C-13 C	
D322	A-1 S	IC45	B-11 C	Q24	I-7 S	Q329	A-4 S	RV21	E-12 C	TP14	A-11 C	
D601	G-8 S	IC301	E-4 C	Q25	H-7 S	Q329 Q331	H-2 S	RV21	A-12 C	TP15	A-11 C	
D601	G-8 S	IC301	D-4 C	Q25 Q26	I-7 S		A-10 S	RV22	A-12 C	TP15	K-6 C	
	G-7 C	IC302	D-4 C	Q20 Q27	I-6 S	Q333	A-10 S	RV23	K-7 C	TP17	J-3 C	
D603	G-7 C	IC303	E-5 C		I-6 S	Q334	B-9 \$		K-8 C	TP18		
	K 7 0	IC304	G-4 C	Q28 Q29		Q335	A-10 S	RV25		TP301		
E1	K-7 C		G-4 C	•		Q336		RV26	K-12 C			
E2	H-7 C	IC306		Q30	I-6 S	Q337	B-9 S	RV301	F-5 C	TP302	F-4 C G-5 C	
E3	H-9 C	IC307	F-5 C	Q31	K-10 S	Q338	B-9 S	RV302	F-6 C	TP303		
E4	B-12 C	IC309	G-5 C	Q32	K-12 S	Q339	C-8 S	RV303	K-1 C	TP304	D-8 C	
E5	E-8 C	IC310	G-5 C	Q43	E-10 S	Q340	C-7 S	RV304	K-1 C	TP305	F-6 C	
E6	K-3 C	IC311	F-7 C	Q44	D-10 S	Q341	D-9 S	RV305	I-2 C	TP306	D-8 C	
E301	I-1 C	IC312	E-8 C	Q45	E-11 S	Q342	B-6 S	RV306	I-1 C	TP307	K-3 C	
E302	B-8 C	IC313	D-7 C	Q46	D-11 S	Q343	B-5 S	RV307	I-2 C	TP308	K-3 C	
E303	A-4 C	IC314	E-8 S	Q47	E-11 S	Q344	B-6 S	RV308	E-6 C	TP309	K-2 C	
E304	D-1 C	IC315	D-7 S	Q48	D-11 S	Q345	B-6 S	RV311	A-10 C	TP310	J-1 C	
		IC316	E-6 S	Q49	E-12 S	Q346	A-4 S	RV312	B-10 C	TP311	E-2 C	
FL1	J-6 C	IC319	J-1 C	Q50	D-12 S	Q347	A-5 S	RV313	B-9 C	TP312	E-1 C	
FL2	B-12 C	IC320	G-2 C	Q51	B-12 S	Q348	B-5 S	RV314	B-9 C	TP313	D-9 C	
FL3	B-11 C	IC321	A-1 C	Q52	B-12 S	Q349	B-2 S	RV315	B-9 C	TP314	A-8 C	
FL4	1-4 C	IC322	E-1 S	Q53	B-13 S	Q350	A-2 S	RV316	B-7 C	TP315	A-7 C	
FL5	E-9 C	IC324	A-9 C	Q54	A-12 S	Q351	B-4 S	RV317	C-9 C	TP317	B-7 C	
FL301	A-5 C	IC325	B-8 C	Q55	A-12 S	Q352	A-3 S	RV318	B-5 C	TP318	B-7 C	
		IC326	B-7 C	Q56	C-11 S	Q356	A-4 S	RV319	B-6 C	TP319	B-6 C	
IC1	B-1 C	IC329	F-10 C	Q57	B-11 S	Q358	D-2 S	RV320	B-6 C	TP320	B-6 C	
IC2	J-4 C	IC332	A-6 S	Q58	B-12 S	Q359	H-1 S	RV321	B-5 C	TP321	B-6 C	
						•						





EN-66/A —COMPONENT SIDE— 1-626-318-13(1) BVW-22 BVW-22P



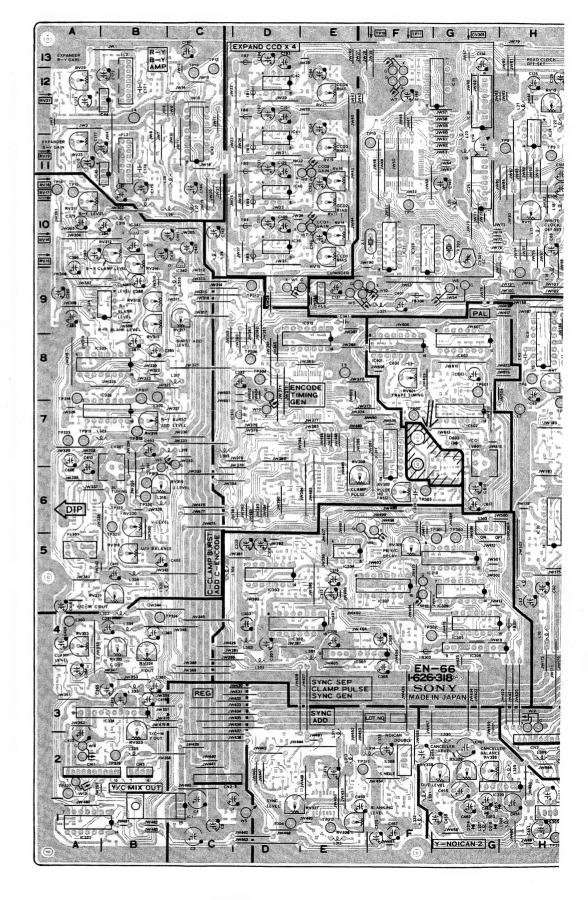
EN-66/A-SOLDERING SIDE-1-626-318-13(1) BWW-22 BWW-22P

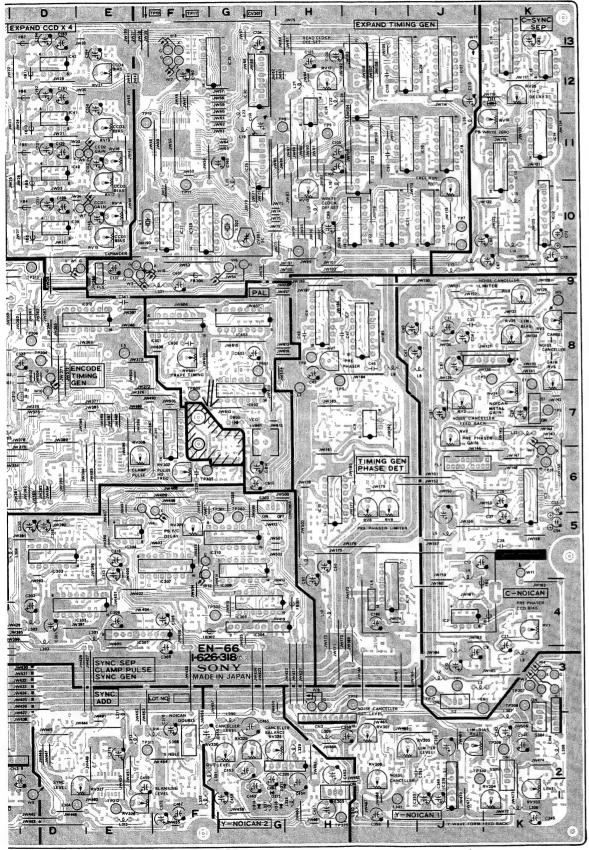
16-14 (a)

EN-66A; VIDEO ENCODER

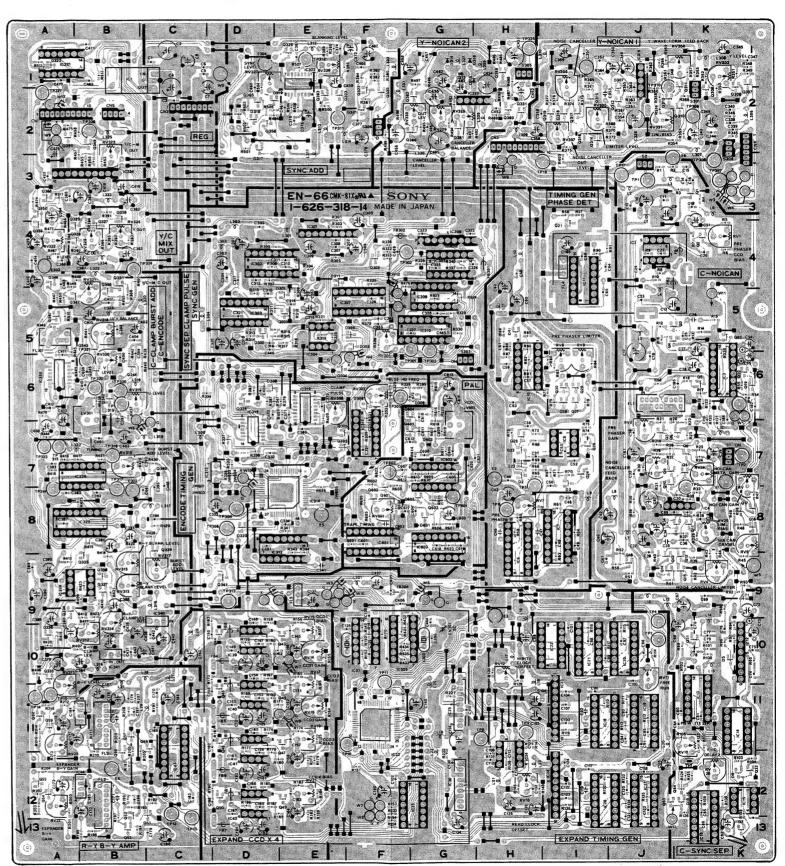
S/N 10189 AND HIGHER (EK)

EN-66A(1-626-318-14, 15)													
CN1	A-2 C	IC3	K-6 C	IC334	B-3 C	050	A 11 C	0200		DV200	B 0 0	TDOOG	D.C. O
CN2	C-2 C	IC4	K-8 C	IC334	C-10 C	Q59 Q60	A-11 S A-11 S	Q360 Q361	H-2 S G-2 S	RV322 RV323	B-2 C A-4 C	TP322 TP323	
CN3	H-2 C	IC6	H-8 C	IC341	B-10 C	Q61	K-7 S	Q362	G-2 S	RV323	B-4 C	TP323	
CN4	K-2 C	IC7	1-8 C	IC601	F-8 C	Q62	K-5 S	Q362 Q363	E-2 S	RV325	B-4 C	TP325	
CN5	B-2 C	IC8	1-7 C	IC602	G-7 C	Q63	J-12 S	Q364	D-2 S	RV325	E-1 C	TP326	
0110	J_	IC10	H-6 C	IC603	G-8 C	Q64	K-12 S	Q365	D-2 S	RV327	D-1 C	TP327	
CV301	G-10 C	IC11	I-4 C			Q301	E-5 S	Q366	G-2 S	RV328	G-2 C	TP601	G-8 C
		IC12	K-10 C	LV301	B-6 C	Q302	F-4 S	Q367	A-5 S	RV329	G-2 C	TP602	
D1	K-8 S	IC13	K-11 C	LV601	G-7 C	Q303	F-7 S	Q368	A-3 S	RV330	G-2 C	,	
D2	H-7 S	IC14	K-11 C			Q304	E-6 S	Q601	F-8 S	RV331	J-2 C	X1	F-10 C
D3	I-7 S	IC15	K-12 C	Q1	K-3 S	Q305	F-7 S	Q602	F-7 S	RV601	F-8 C	X302	G-10 C
D4	H-5 S	IC16	K-13 C	Q2	K-4 S	Q307	K-1 S	Q603	G-8 S				
D5	K-10 S	IC18	I-11 C	Q3	J-5 S	Q308	K-2 S	Q604	G-6 S	S1	K-7 C	*-*	C; COMPONENT SIDE
D6	K-12 S	IC19	J-11 C	Q4	J-5 S	Q309	K-2 S	Q605	G-7 S	S2	J-3 C	*-*	S; SOLDERING SIDE
D7	K-13 S	IC20	J-10 C	Q5	K-6 S	Q310	K-2 S			S301	K-2 C		
D15	K-12 S	IC21	I-10 C	Q6	K-7 S	Q311	K-1 S	RV1	K-4 C	\$303	G-6 C		
D301	E-5 S	IC22	I-10 C	Q7	J-7 S	Q312	J-2 S	RV2	J-7 C	S304	K-2 C		
D302	D-5 S	IC23	I-11 C	Q8	K-7 S	Q313	J-2 S	RV3	J-7 C	S305	H-1 C		
D303	F-5 S	IC24	H-12 C	Q9	J-7 S	Q314	I-2 S	RV4	K-9 C	S306	F-2 C		
D305	F-5 S	IC25	G-11 C	Q10	J-7 S	Q315	I-2 S	RV5	K-8 C				
D306	F-6 S	IC26	I-12 C	Q11	K-8 S	Q316	I-2 S	RV6	K-7 C	TP1	J-3 C		
D307	J-2 S	IC27	J-12 C	Q12	K-9 S	Q317	1-2 S	RV7	H-8 C	TP2	K-7 C		
D308	D-6 S	IC28	I-12 C	Q13	J-9 S	Q318	I-2 S	RV8	I-6 C	TP3	K-7 C		
D309	G-6 S	IC30	G-12 C	Q14	J-9 S	Q319	I-2 S	RV9	I-6 C	TP4	J-10 C		
D311	E-4 S	IC31	F-10 C	Q15	K-9 S	Q320	F-2 S	RV10	K-11 C	TP5	H-8 C		
D313	G-1 C	IC33	F-11 S	Q16	K-8 S	Q321	F-2 S	RV11	J-10 C	TP6	H-8 C		
D314	G-1 C	IC35	G-12 C	Q17	K-8 S	Q322	F-2 S	RV12	H-10 C	TP7	J-10 C		
D315	G-1 C	IC39	D-10 C	Q18	J-9 S	Q323	E-2 S	RV13	H-12 C	TP8	H-11 C		
D316	G-1 C	IC40	D-11 C	Q19	K-6 S	Q324	D-6 S	RV14	E-10 C	TP9	H-11 C		
D317	D-2 S	IC41	D-11 C	Q20	K-6 S	Q325	E-1 S	RV15	E-10 C	TP10	F-11 C		
D318	D-2 S	IC42	D-12 C	Q21	I-4 S	Q326	B-3 S	RV16	E-11 C	TP11	F-10 C		
D319 D320	D-2 S D-8 S	IC43 IC44	C-12 C B-12 C	Q22	H-7 S	Q327	B-4 S	RV17	E-11 C	TP12	C-12 C		
D320	D-8 S A-1 S	IC44		Q23	H-7 S I-7 S	Q328	A-4 S	RV19	E-11 C	TP13	C-13 C		
D601	G-8 S	IC301	B-11 C E-4 C	Q24 Q25	H-7 S	Q329	A-4 S	RV21	E-12 C	TP14	A-11 C		
D601	G-8 S	IC301	D-4 C	Q25 Q26	I-7 S	Q331 Q333	H-2 S	RV22	A-12 C A-11 C	TP15	A-11 C		
D602	G-7 C	IC302	D-4 C	Q20 Q27	1-7 S	Q334	A-10 S A-9 S	RV23 RV24	K-7 C	TP16 TP17	K-6 C		
D003	u-7 0	IC304	E-5 C	Q28	1-6 S	Q334 Q335	B-9 S	RV24	K-8 C	TP17	1-3 C		
E1	K-7 C	IC305	G-4 C	Q29	I-6 S	Q336	A-10 S	RV25	K-12 C	TP301	G-5 C		
E2	H-7 C	IC306	G-4 C	Q30	I-6 S	Q337	B-9 S	RV301	F-5 C	TP302	F-4 C		
E3	H-9 C	IC307	F-5 C	Q31	K-10 S	Q338	B-9 S	RV302	F-6 C	TP303	G-5 C		
E4	B-12 C	IC309	G-5 C	Q32	K-12 S	Q339	C-8 S	RV303	K-1 C	TP304	D-8 C		
E5	E-8 C	IC310	G-5 C	Q43	E-10 S	Q340	C-7 S	RV304	K-1 C	TP305	F-6 C		
E6	K-3 C	IC311	F-7 C	Q44	D-10 S	Q341	D-9 S	RV305	I-2 C	TP306	D-8 C		
E301	I-1 C	IC312	E-8 C	Q45	E-11 S	Q342	B-6 S	RV306	I-1 C	TP307	K-3 C		
E302	B-8 C	IC313	D-7 C	Q46	D-11 S	Q343	B-5 S	RV307	I-2 C	TP308	K-3 C		
E303	A-4 C	IC314	E-8 S	Q47	E-11 S	Q344	B-6 S	RV308	E-6 C	TP309	K-2 C		
E304	D-1 C	IC315	D-7 S	Q48	D-11 S	Q345	B-6 S	RV311	A-10 C	TP310	J-1 C		
		IC316	E-6 S	Q49	E-12 S	Q346	A-4 S	RV312	B-10 C	TP311	E-2 C		
FL1	J-6 C	IC319	J-1 C	Q50	D-12 S	Q347	A-5 S	RV313	B-9 C	TP312	E-1 C		
FL2	B-12 C	IC320	G-2 C	Q51	C-12 S	Q348	B-5 S	RV314	B-10 C	TP313	D-9 C		
FL3	B-11 C	IC321	A-1 C	Q52	B-12 S	Q349	B-2 S	RV315	B-9 C	TP314	A-8 C		
FL4	I-4 C	IC322	E-1 S	Q53	B-13 S	Q350	A-2 S	RV316	B-7 C	TP315	A-7 C		
FL5	E-9 C	IC324	B-9 C	Q54	A-12 S	Q351	B-4 S	RV317	C-9 C	TP317	B-7 C		
FL301	A-5 C	IC325	B-8 C	Q55	A-12 S	Q352	A-3 S	RV318	B-5 C	TP318	B-7 C		
		IC326	B-7 C	Q56	C-11 S	Q356	A-4 S	RV319	B-6 C	TP319	B-6 C		
IC1	B-1 C	IC329	F-10 C	Q57	B-11 S	Q358	D-2 S	RV320	B-6 C	TP320	B-6 C		
IC2	J-4 C	IC332	A-6 S	Q58	B-12 S	Q359	H-1 S	RV321	B-5 C	TP321	B-6 C		





EN-66/A —COMPONENT SIDE— 1-626-318-14, 15(2) BWW-22 BVW-22P



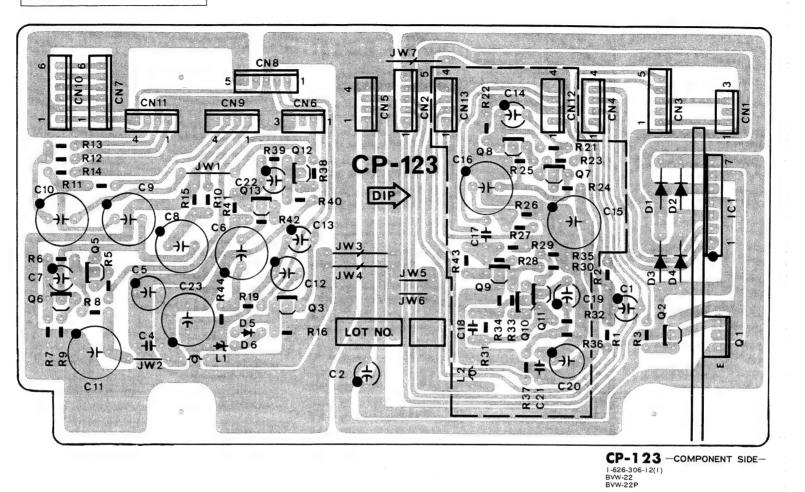
EN-66/A -SOLDERING SIDE-

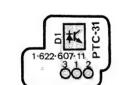
16-14(b)

12(b)

CP-123; VIDEO OUTPUT AMPLIFIER PTC-31; THREADING MOTOR FG DETECTOR

S/N UP TO 10188 (EK)

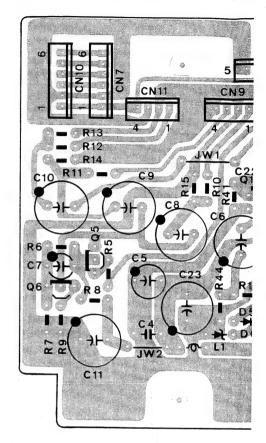




PTC-31 —COMPONENT SIDE—

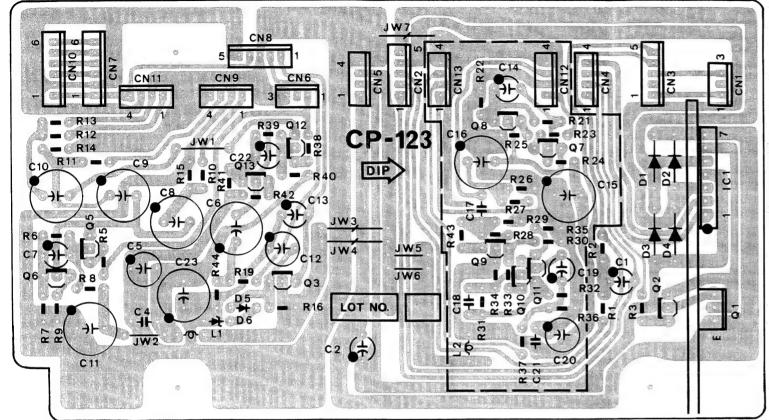
1-622-607-11(1) BVW-22 BVW-22P

S/N 10189 AND HIGHER (EK)

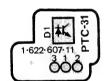


DEO OUTPUT AMPLIFIER IREADING MOTOR FG DETECTOR

S/N UP TO 10188 (EK)

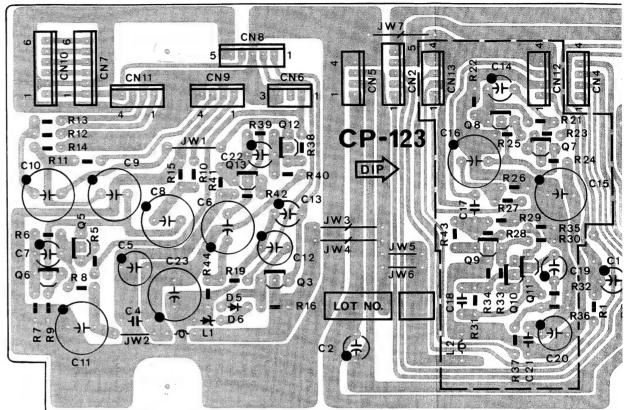


CP-123 -- COMPONENT SIDE-1-626-306-12(1) BW-22 BVW-22P



PTC-31 — COMPONENT SIDE—
1-622-607-11(1)
BVW-22
BVW-22P

S/N 10189 AND HIGHER (EK)



CP-1 1-626-30 BVW-22

16-20 (a)

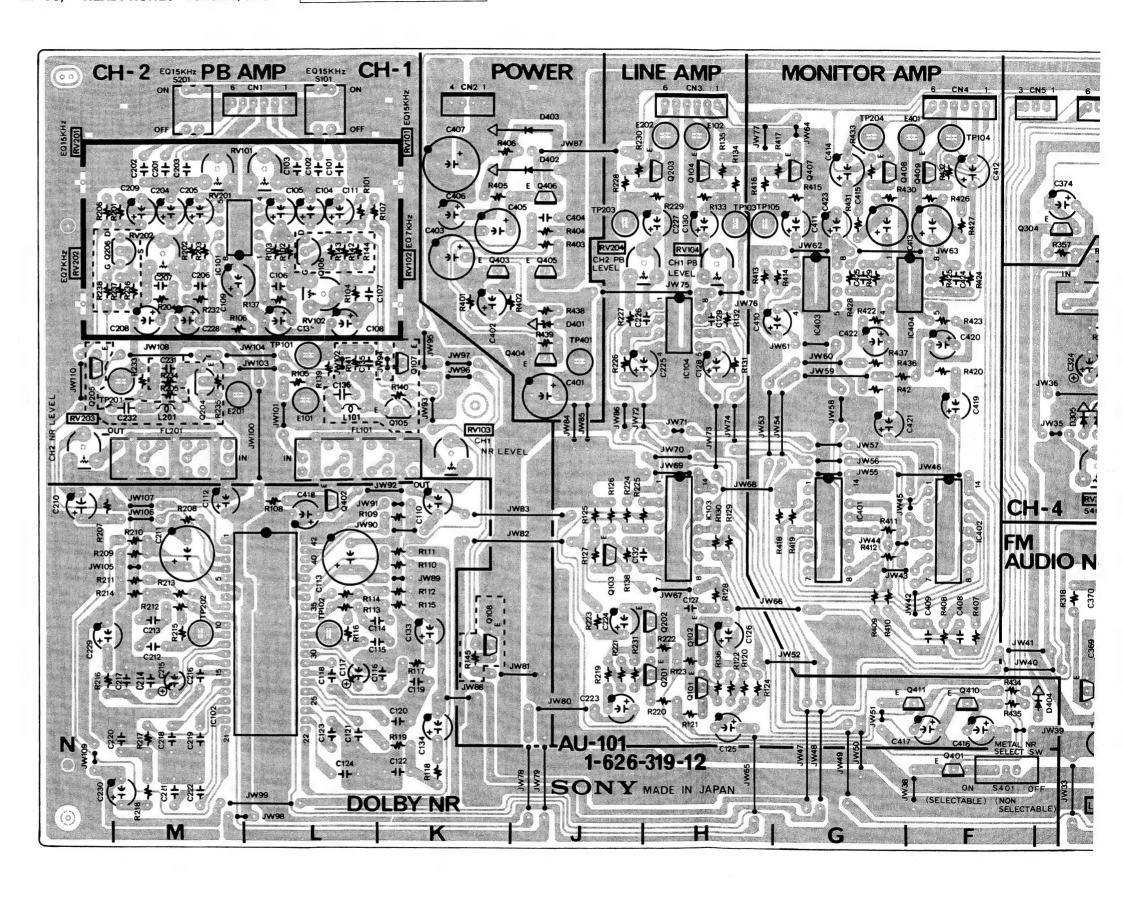
D-3 C-4

D-2 E-1 J-4 AU-101A; AUDIO PB AMPLIFER HP-38; HEADPHONES VOLUME/JACK

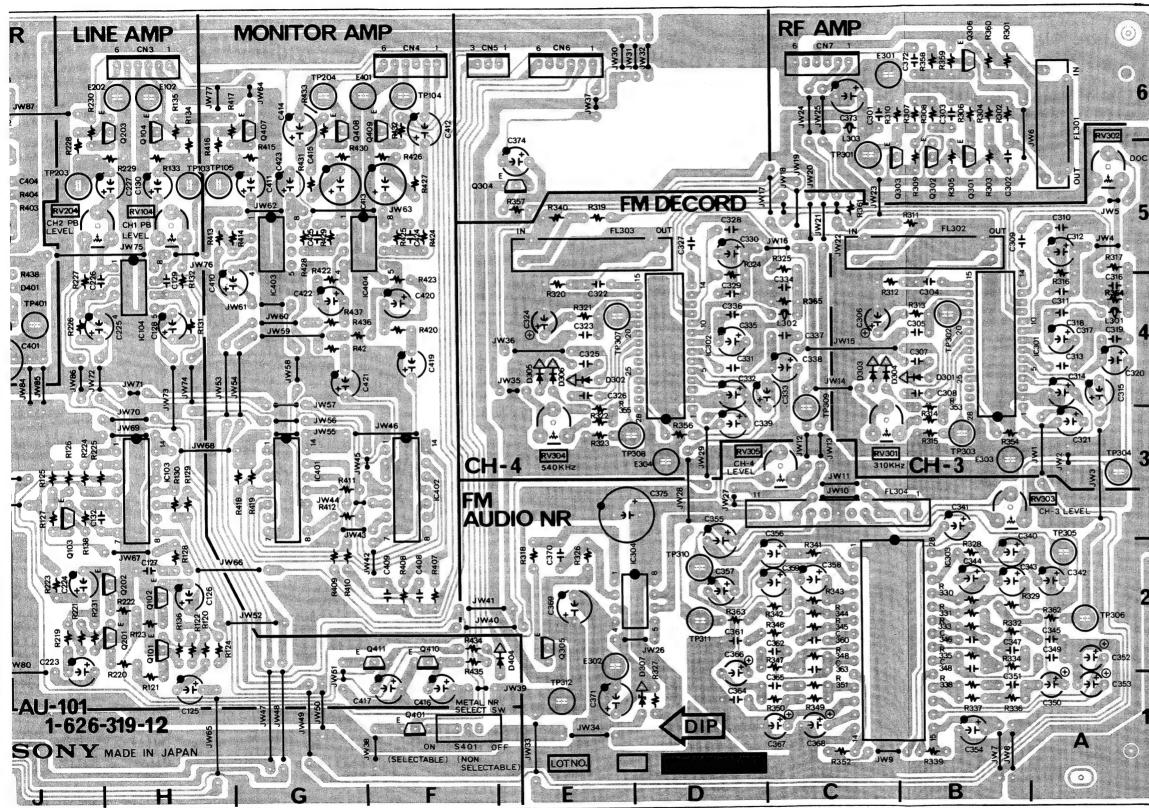
S/N UP TO 10188 (EK)

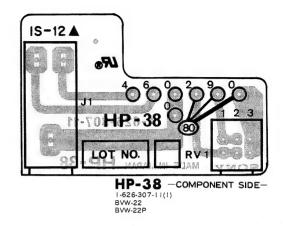
AU-101A	(1-626-31	9-12)		
CN1	L-6	Q201	H-2	TP30
CN2	K-6	Q202	H-2	TP30
CN3	H-6	Q203	H-6	TP31
CN4	F-6	Q204	M-4	TP31
CN5	F-6	Q205	N-4	TP31
		_		
CN6	E-6	Q206	M-5	TP40
CN7	C-6	Q301	B-5	
		Q302	B-5	
D301	B-4	Q303	B-5	
D302	E-4	Q304	E-5	
D303	C-4	Q305	E-2	
D304	C-4	Q306	B-6	
D305	E-4	Q401	F-1	
D306	E-4	Q402	L-3	
D307	D-1	Q403	K-5	
D401	J-4	Q404	J-4	
D401	J-6	Q405	J-5	
		-		
D403	J-6	Q406	J-5	
D404	E-2	Q407	G-6	
		Q408	G-6	
E101	L-4	Q409	F-6	
E102	H-6	Q410	F-2	
E201	M-4	Q411	F-2	
E202	H-6			
E301	C-6	RV101	L-6	
E302	E-2	RV102	L-5	
E303	B-3	RV103	K-3	
E304	D-3	RV104	H-5	
E401	F-6	RV201	M-6	
L+01	1.0	RV201	M-5	
FL101	L-3	RV202	N-4	
FL201	M-3	RV204	H-5	
FL301	A-6	RV301	C-3	
FL302	B-5	RV302	A-5	
FL303	E-5	RV303	B-3	
FL304	C-3	RV304	E-3	
		RV305	C-3	
IC101	M-5			
IC102	L-2	S101	L-6	
IC103	H-3	S201	M-6	
IC104	H-4	S401	F-1	
IC301	B-4			
IC302	D-4	TP101	L-4	
IC303	B-2	TP102	L-2	
IC304	E-2	TP103	H-5	
IC401	G-3	TP103	F-6	
IC402	F-3	TP105	H-5	
IC403	G-5	TP201	M-4	
IC404	G-5	TP202	M-2	
		TP203	J-5	
Q101	H-2	TP204	G-6	
Q102	H-2	TP301	C-5	
Q103	J-3	TP302	B-4	
Q104	H-6	TP303	B-3	
Q105	K-4	TP304	A-3	
Q106	L-5	TP305	A-2	
Q107	K-4	TP306	A-2	
0108	K 2	TP307	F /	

TP307 E-4



Q108

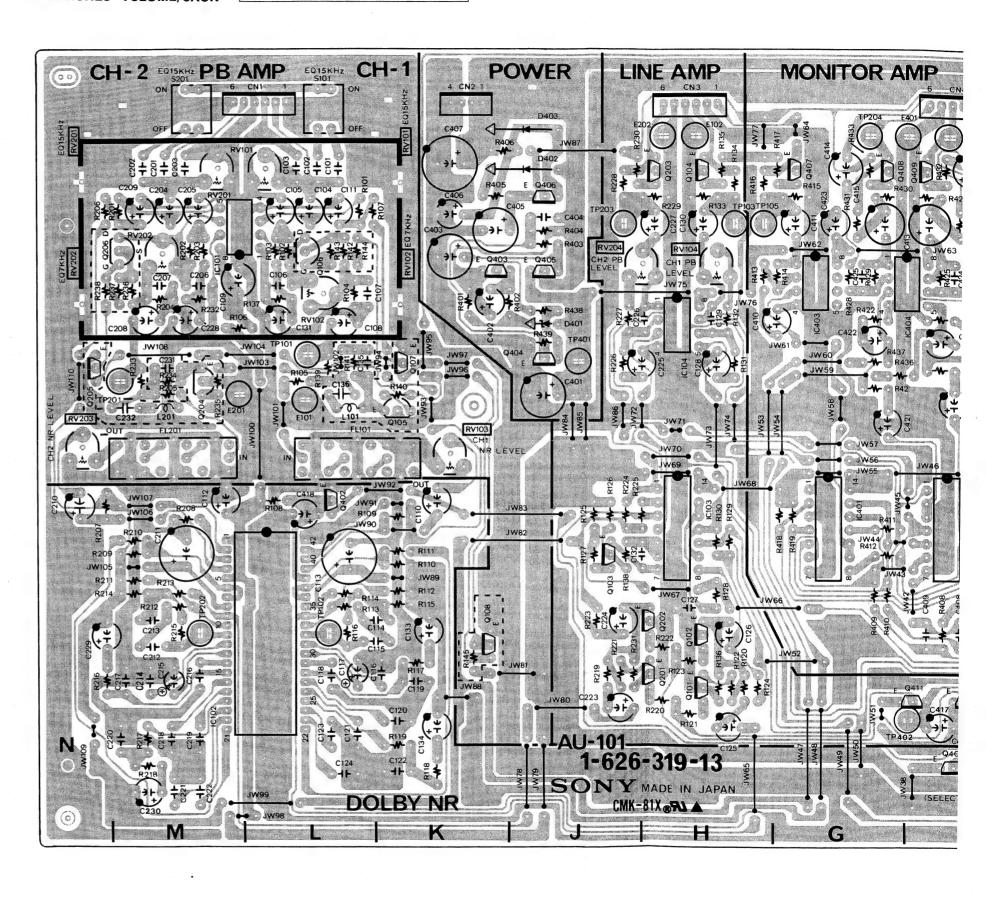




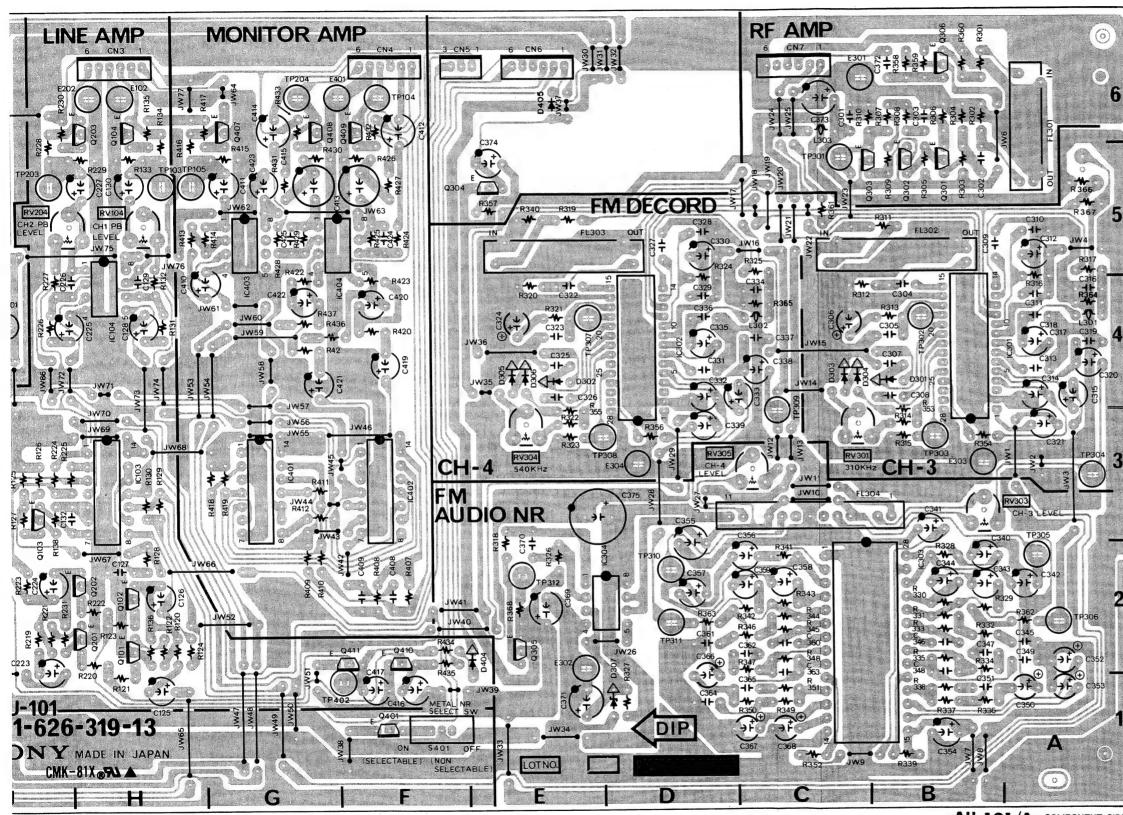
AU-101/A —COMPONENT SIDE— 1-626-319-12(1) BVW-22 BVW-22P AU-101A; AUDIO PB AMPLIFER HP-38; HEADPHONES VOLUME/JACK

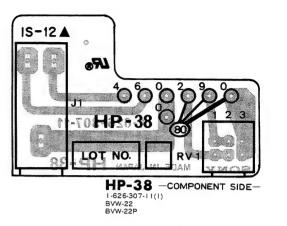
S/N 10189 AND HIGHER (EK)

AU-101A(1	-626-319-1	3)			
CN1 CN2 CN3	L-6 K-6 H-6	Q201 Q202	H-2 H-2 H-6	TP309 TP310 TP311	C-4 D-2 D-2
CN3	F-6	Q203 Q204	M-4	TP311	E-2
CN5	F-6	Q204 Q205	N-4	TP401	J-4
CN6	E-6	Q205 Q206	M-5	TP402	F-1
CN7	C-6	Q301	B-5	11 402	1 - 1
0.117		Q302	B-5		
D301	B-4	Q303	B-5		
D302	E-4	Q304	E-5		
D303	C-4	Q305	E-2		
D304	C-4	Q306	B-6		
D305	E-4	Q401	F-1		
D306	E-4	Q402	L-3	* .	
D307	D-1	Q403	K-5		
D401	J-4	Q404	J-4		
D402	J-6	Q405	J-5		
D403 D404	J-6	Q406	J-5		
D404	E-2	Q407 Q408	G-6 G-6		
E101	L-4	Q408 Q409	F-6		
E102	H-6	Q410	F-2		
E201	M-4	0411	F-2		
E202	H-6				-
E301	C-6	RV101	L-6		
E302	E-2	RV102	L-5		
E303	B-3	RV103	K-3		
E304	D-3	RV104	H-5		
E401	F-6	RV201	M-6		
El 101		RV202	M-5		
FL101 FL201	L-3 M-3	RV203 RV204	N-3 H-5		
FL301	A-6	RV204	C-3		
FL302	B-5	RV303	B-3		
FL303	E-5	RV304	E-3		
FL304	C-3	RV305	C-3		
IC101	M-5	S101	L-6		
IC102	L-2	S201	M-6		
IC103	H-3	S401	F-1		
IC104	H-4				
IC301	B-4	TP101	L-4		
IC302	D-4	TP102	L-2		
IC303	B-2	TP103	H-5		
IC304	E-2	TP104	F-6		
IC401 IC402	G-3 F-3	TP105 TP201	H-5 M-4		
IC402	G-5	TP202	M-2		
IC404	G-5	TP203	J-5	4	
		TP204	G-6		
Q101	H-2	TP301	C-5		
Q102	H-2	TP302	B-4		
Q103	J-3	TP303	B-3		
Q104	H-6	TP304	A-3		
Q105	K-4	TP305	A-2		
Q106	L-5	TP306	A-2 E-4		
Q107 Q108	K-4 K-2	TP307 TP308	D-3		
Ó100	11-2	11 300	D-3		



16-25(b)



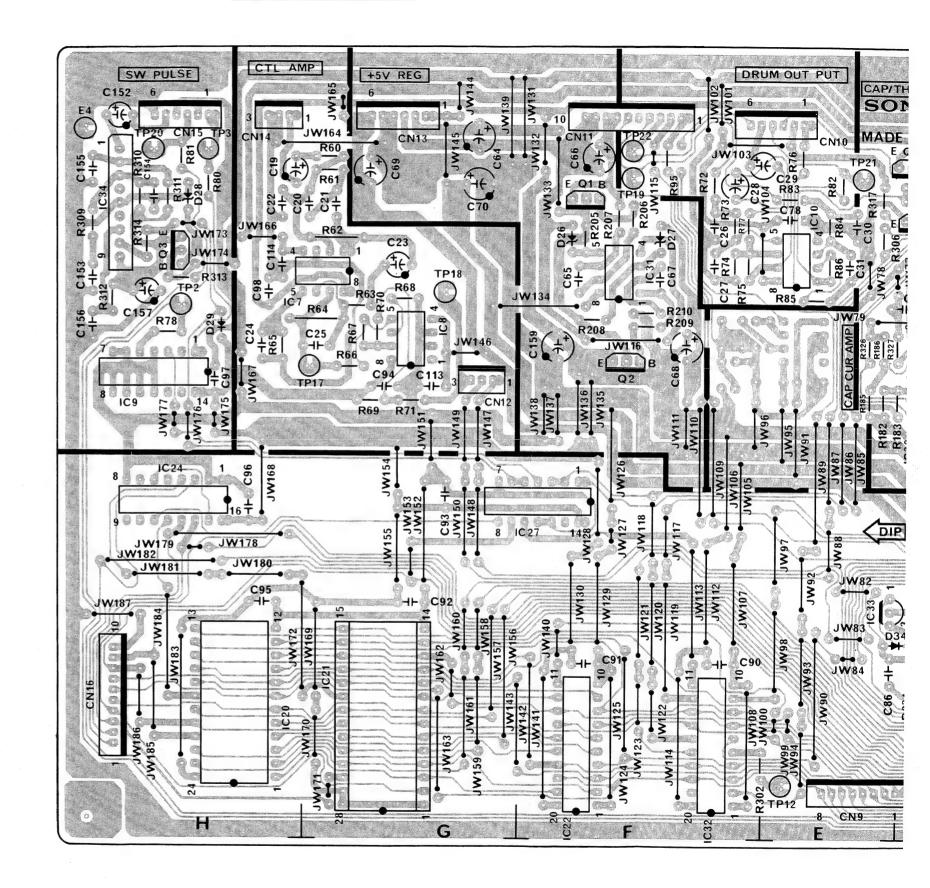


AU-101/A -- COMPONENT SIDE-1-626-319-13(1) BVW-22 BVW-22P

SV-99; DRUM/CAPSTAN/REEL SERVO

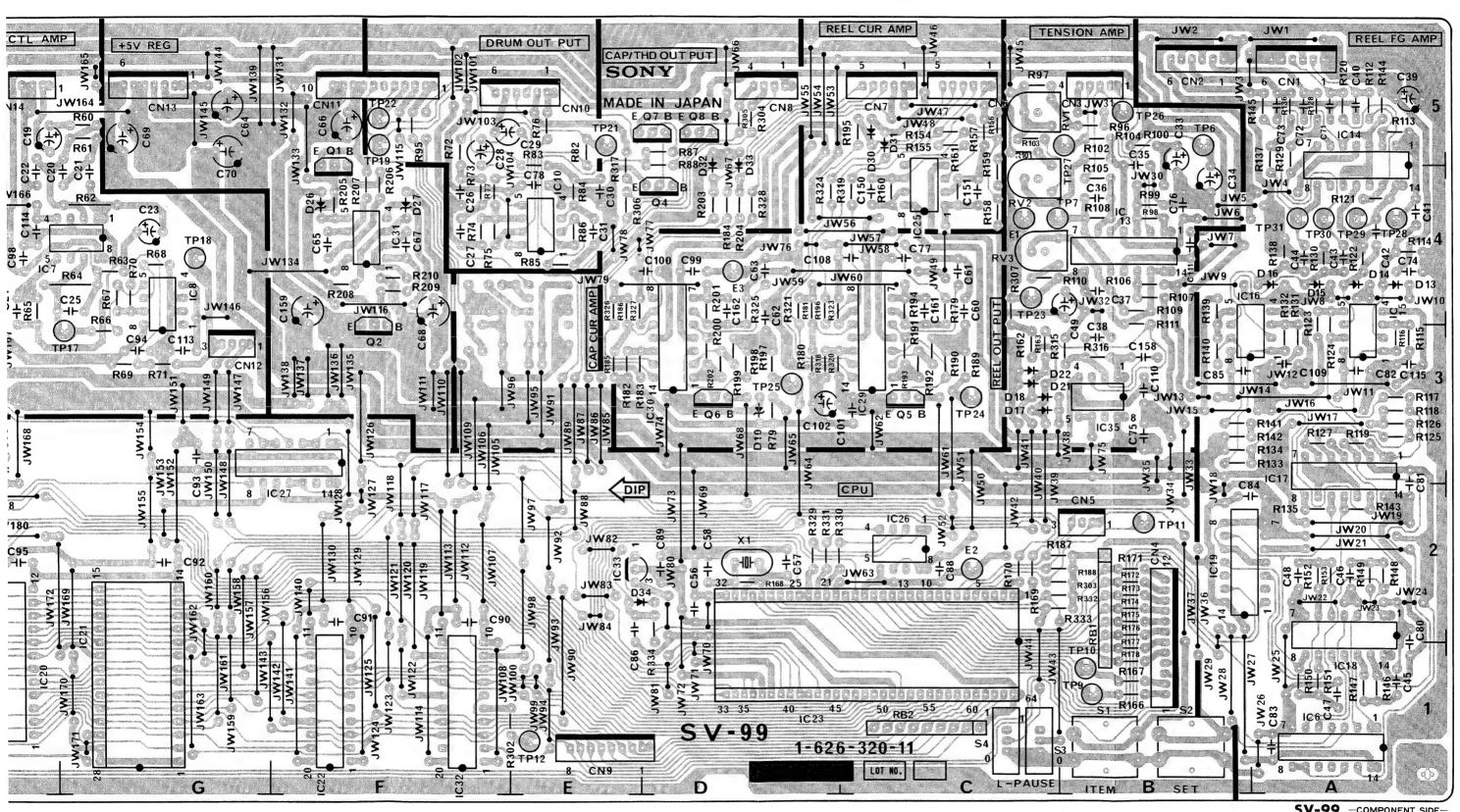
S/N UP TO 10188 (EK)

SV-99(1-62	26-320-11)		
CN1 CN2 CN3 CN4 CN5 CN6 CN7 CN8 CN9 CN10	A-5 B-5 B-2 B-2 C-5 C-5 D-5 E-1 E-5 F-5	IC25 IC26 IC27 IC29 IC30 IC31 IC32 IC33 IC34 IC35	C-4 C-2 F-3 C-3 D-3 F-4 F-1 E-2 H-5 B-3
CN12 CN13 CN14 CN15 CN16	G-3 G-5 H-5 H-5	Q1 Q2 Q3 Q4 Q5 Q6	F-5 F-4 H-4 D-4 C-3 D-3
D10 D13 D14	D-3 A-4 A-4	Q7 Q8	D-5 D-5
D15 D16 D17	A-4 A-4 C-3	RB1 RB2	B-2 C-1
D18 D21 D22 D26	C-3 C-3 F-4	RV1 RV2 RV3	C-5 C-4 C-4
D27 D28 D29 D30 D31 D32	F-4 H-5 H-4 C-5 C-5	S1 S2 S3 S4	B-1 B-1 C-1 C-1
D33 D34	D-5 E-2	TP3 TP6 TP7	H-5 B-5 B-4
E1 E2 E3 E4	C-4 C-2 D-4 H-5	TP9 TP10 TP11 TP12 TP17	B-1 B-1 B-2 E-1 G-3
IC6 IC7 IC8 IC9 IC10 IC13 IC14 IC15 IC16 IC17 IC18 IC19 IC20 IC21 IC22	A-1 G-4 G-4 H-3 E-4 B-4 A-5 A-4 B-4 A-3 A-2 B-2 H-1 G-1	TP18 TP19 TP20 TP21 TP22 TP23 TP24 TP25 TP26 TP27 TP28 TP29 TP30 TP31	G-4 F-5 H-5 E-5 F-5 C-4 C-3 D-3 B-5 B-5 A-4 A-4 A-4
IC23	C-1	X1	D-2



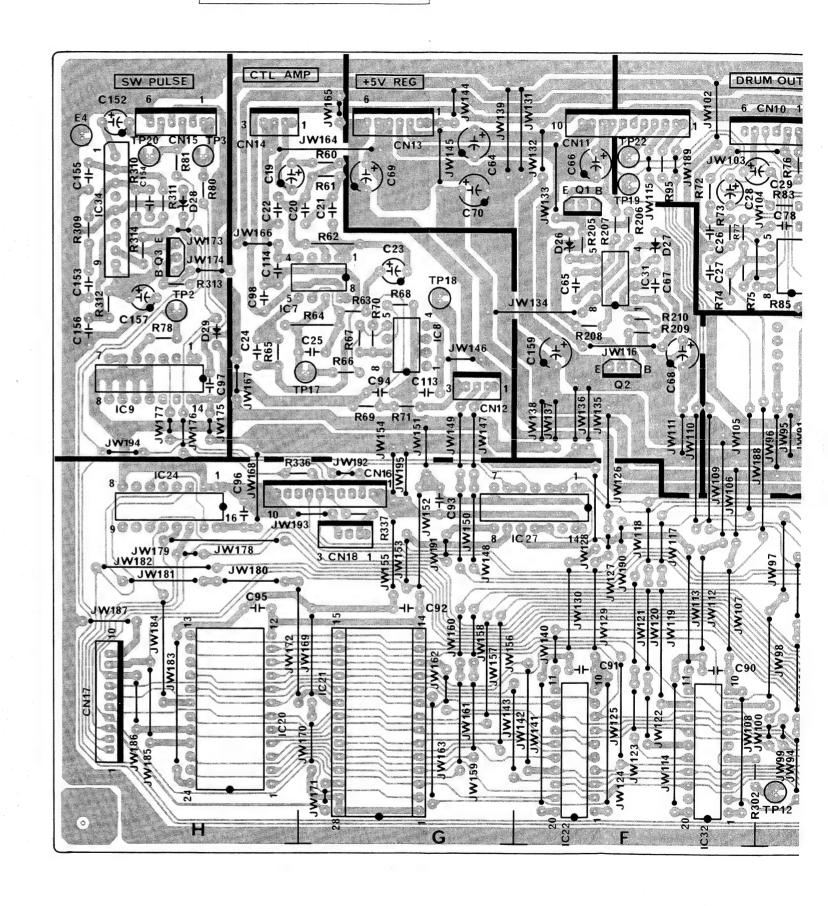
IC24

H-3



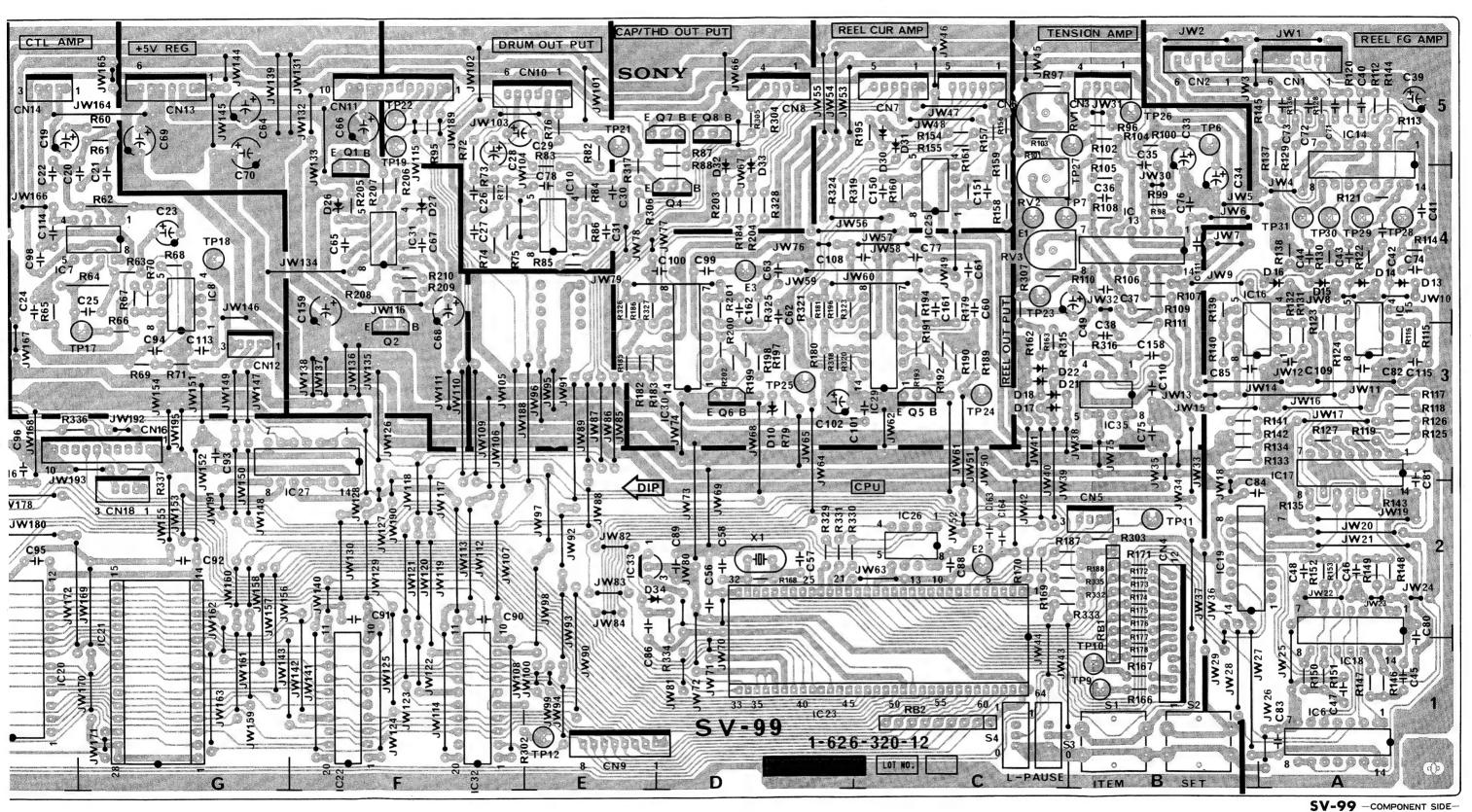
5V-99 —COMPONENT SIDE— 1-626-320-11(1) BVW-22

SV-99(1	-626-320-1	2)		
CN1 CN2 CN3 CN4 CN5 CN6 CN7 CN8 CN9 CN10 CN11 CN12	A-5 B-5 B-2 B-2 C-5 C-5 D-5 E-1 E-5 F-5	IC23 IC24 IC25 IC26 IC27 IC29 IC30 IC31 IC32 IC33 IC34 IC35	C-1 H-3 C-4 C-2 F-3 C-3 D-3 F-4 F-1 E-2 H-5 B-3	X1 D-2
CN13 CN14 CN15 CN16 CN17 CN18	G-5 H-5 G-3 H-1 G-2 D-3 A-4	Q1 Q2 Q3 Q4 Q5 Q6 Q7	F-5 F-3 H-4 D-4 C-3 D-3 D-5	
D14 D15 D16 D17 D18	A-4 A-4 C-3 C-3	RB1 RB2 RV1	B-2 C-1	
D21 D22 D26 D27 D28 D29 D30	C-3 C-3 F-4 F-4 H-5 H-4	RV2 RV3 S1 S2 S3 S4	C-4 C-4 B-1 B-1 C-1	
D31 D32 D33 D34 E1 E2 E3 E4	C-5 D-5 D-5 E-2 C-4 C-2 D-4 H-5	TP2 TP3 TP6 TP7 TP9 TP10 TP11 TP12	H-4 H-5 B-5 B-4 B-1 B-1 B-2 E-1	
IC6 IC7 IC8 IC9 IC10 IC13 IC14 IC15 IC16 IC17 IC18 IC19 IC20 IC21	A-1 G-4 G-4 H-3 E-4 B-4 A-5 A-4 B-4 A-2 B-2 H-1 G-1	TP17 TP18 TP19 TP20 TP21 TP22 TP23 TP24 TP25 TP26 TP27 TP28 TP29 TP30 TP31	G-3 G-4 F-5 H-5 E-5 C-4 C-3 D-3 B-5 B-5 A-4 A-4	



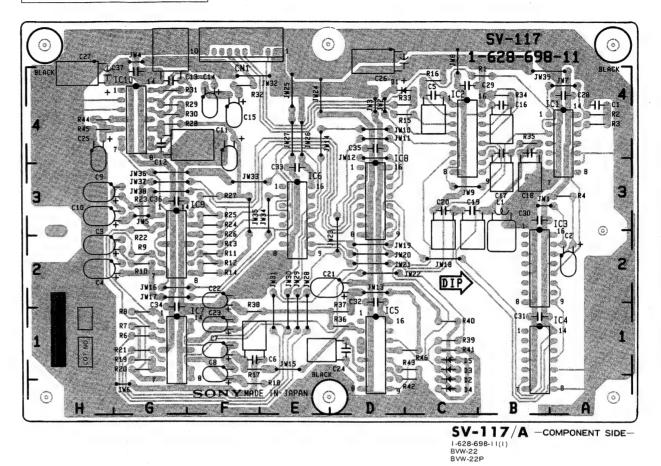
IC22

F-1

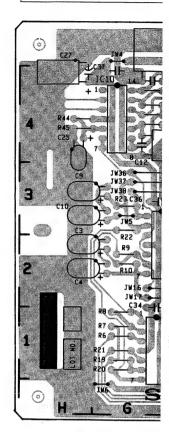


5V-99 -- COMPONENT SID 1-626-320-12(1) BVW-22 BVW-22P

S/N UP TO 10188 (EK)



S/N 10189 AND H

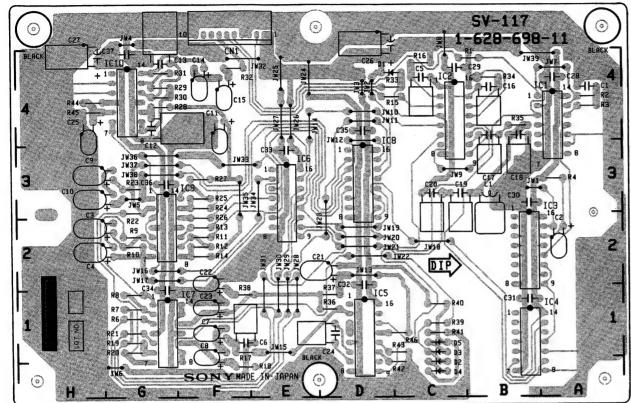


16-41 (a)

SV-117A

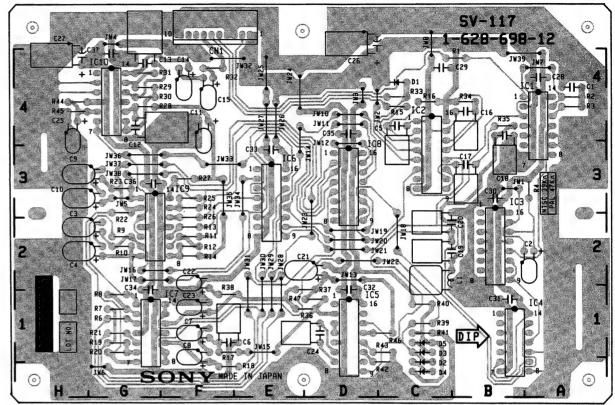
SV-117A; PICTURE SPLITTING COMPENSATOR

S/N UP TO 10188 (EK)



SV-117/A —COMPONENT SIDE— I-628-698-I I(I) BVW-22 BVW-22P

S/N 10189 AND HIGHER (EK)

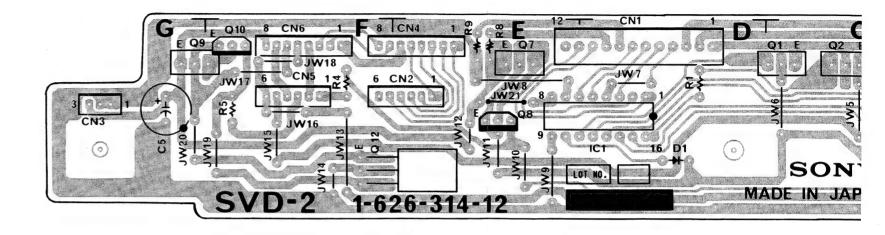


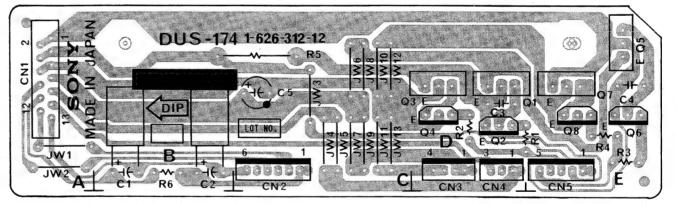
SV-117/A —COMPONENT SIDE— I-628-698-12(I) BVW-22 BVW-22P

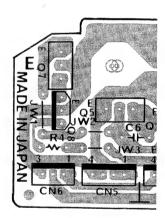
16-42 (a)

DUS-174; REEL MOTOR DRIVER DUS-175; REEL MOTOR DRIVER SVD-2; DRUM/CAPSTAN MOTOR DRIVER

	SVD-2(1.62	26-314-12)	DUS-174(1	1.626.312.	12)	DUS-1750	1-626-313-12)
•	J.D L(1 01	.001+12)	000174(1	-020-312-	12)	DOS-175(.	1-020-313-12)
	CN1	D-1	CN1	A-1		CN1	A-1
(CN2	E-1	CN2	C-1		CN2	C-1
(CN3	G-1	CN3	D-1		CN3	D-1
(CN4	E-1	CN4	D-1		CN4	D-1
(CN5	F-1	CN5	E-1		CN5	E-1
- (CN6	F-1				CN6	E-1
(CN7	A-1	Q1	D-1			
(CN8	A-1	Q2	D-1		Q1	D-1
			Q3	D-1		Q2	C-1
	D1	D-2	Q4	D-1		Q3	D-1
			Q5	E-1		Q4	C-1
	IC1	D-2	Q6	E-1		Q5	E-1
			Q7	E-1		Q6	D-1
	Q1	C-1	Q8	E-1		Q7	E-1
	Q2	C-1				Q8	E-1
	Q3	C-1					
	Q4	B-1					
	Q5	B-1					
	Q6	B-1					
	Q7	E-1					
	Q8	E-1					
	Q9	G-1					
	Q10	F-1					
	Q11	B-2					
	Q12	E-2					







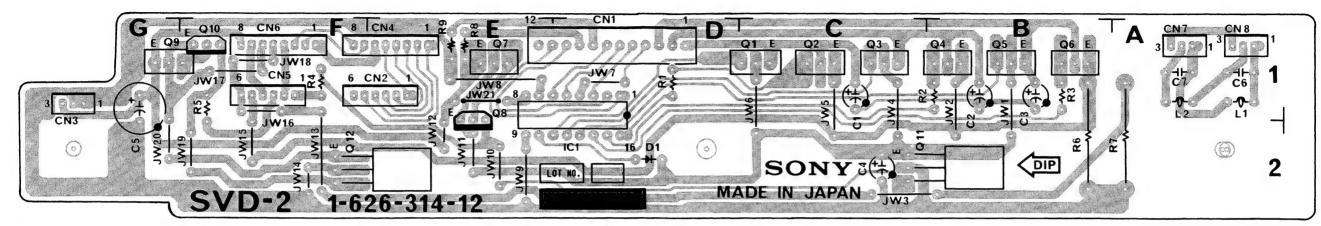
DUS-174 - COMPONENT SIDE-1-626-312-12(1) 8VW-22 BVW-22P

16-45

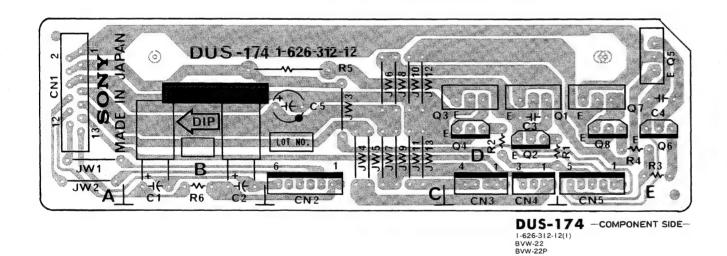
SVD-2

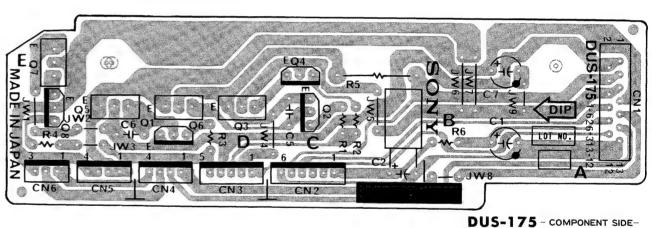
DUS-174; REEL MOTOR DRIVER DUS-175; REEL MOTOR DRIVER

SVD-2; DRUM/CAPSTAN MOTOR DRIVER



SVD-2 —COMPONENT SIDE— 1-626-314-12(1) BVW-22P BVW-22P





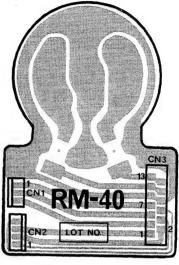
16-46

DE-15; REEL FG

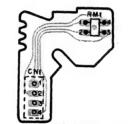
RM-40; RELAY BOARD FOR REEL MOTOR & BRAKE SOLENOID TR-18; TAPE TENSION SENSOR



DE-15 —COMPONENT SIDE— I-622-606-12(I) BVW-22 BVW-22P



RM-40 -COMPONENT SIDE-1-622-605-12(1) BWW-22 BWW-22P

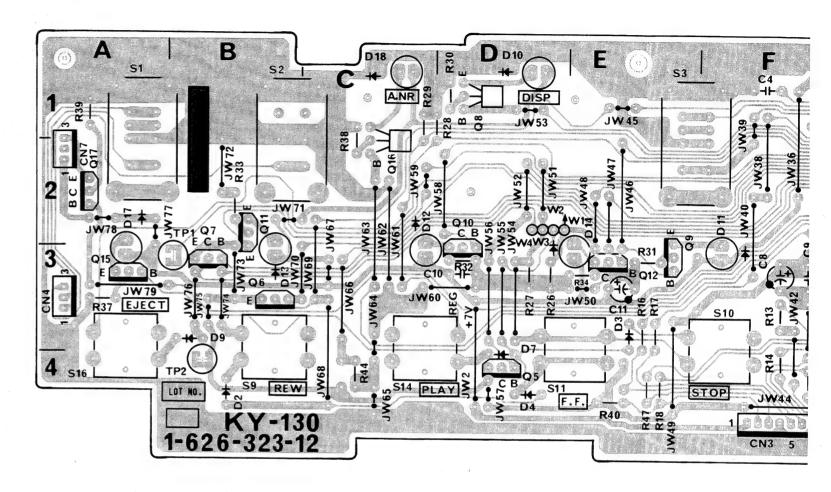


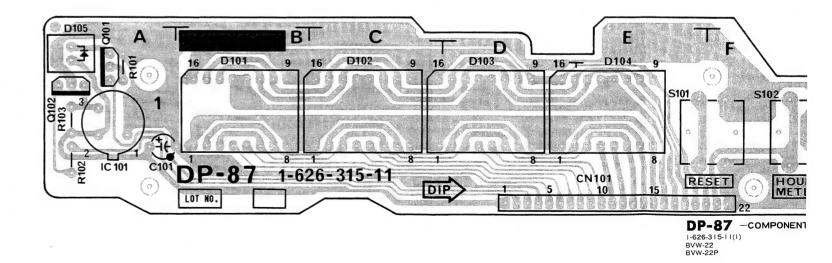
TR-18 — COMPONENT SIDE—
1-611-279-13(1)
BVW-22
BVW-22P

KY-130; FUNCTION KEY/DISPLAY
DP-87; TIME COUNTER DISPLAY
SW-274; DOLBY NR/SUPERIMPOSE SWITCH
LED-58; AUTO OFF DISPLAY

S/N UP TO 10188 (EK)

DP-87(1-6	526-315-11)	KY-130(1-626-323-1	2)	
CN101	E-1	CN1	K-2	TP1	B-3
		CN2	L-3	TP2	B-4
D101	B-1	CN3	F-4		
D102	C-1	CN4	A-3	X1	H-4
D103	D-1	CN5	J-4	7.2	11.4
D104	E-1	CN6	L-4		
D105	A-1	CN7	A-2		
D103	N-1	OIII	A-2		
IC101	A-1	D2	B-4		
10101	N-I	D3	E-3		
Q101	A-1	D4	D-4		
Q101 Q102	A-1	D6	J-3		
Q102	W-1	D7	D-3		
61.01	F1	D8			
S101	F-1		J-3		
S102	F-1	D9	B-3		
		D10	D-1		
		D11	F-2		
		D12	C-2		
		D13	B-3		
		D14	D-2		
		D15	K-3		
		D16	J-2		
		D17	A-2		
		D18	C-1		
		IC1	G-3		
		•			
		Q1	K-1		
		Q2	K-1		
		Q3	J-1		
		Q4	J-1		
		Q4 Q5	J-1 D-4		
		Q4 Q5 Q6	J-1 D-4 B-3		
		Q4 Q5 Q6 Q7	J-1 D-4 B-3 B-3		
		Q4 Q5 Q6 Q7 Q8	J-1 D-4 B-3 B-3 D-1		
		Q4 Q5 Q6 Q7 Q8 Q9	J-1 D-4 B-3 B-3 D-1 E-3		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10	J-1 D-4 B-3 B-3 D-1		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11	J-1 D-4 B-3 B-3 D-1 E-3		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10	J-1 D-4 B-3 B-3 D-1 E-3 D-2		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 S1 S2 S3 S9	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 S1 S2 S3 S9 S10	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2 A-1 B-1 E-1 B-3 F-3		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 S1 S2 S3 S9	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2 A-1 B-1 E-1 B-3		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 S1 S2 S3 S9 S10	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2 A-1 B-1 E-1 B-3 F-3		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 S1 S2 S3 S9 S10 S11	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2 A-1 B-1 E-1 B-3 F-3 E-3		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 S1 S2 S3 S9 S10 S11 S13	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2 A-1 B-1 E-1 B-3 F-3 E-3 K-3		
		Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 S1 S2 S3 S9 S10 S11 S13 S14	J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2 A-1 B-1 E-1 B-3 F-3 E-3 K-3 C-3		

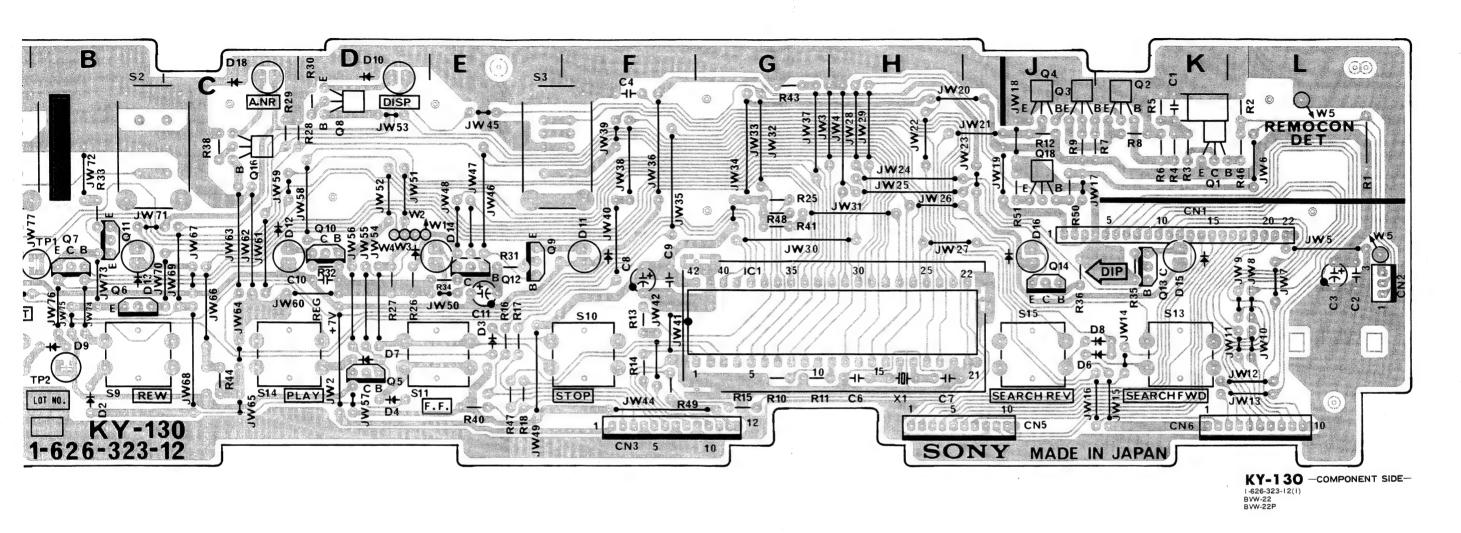


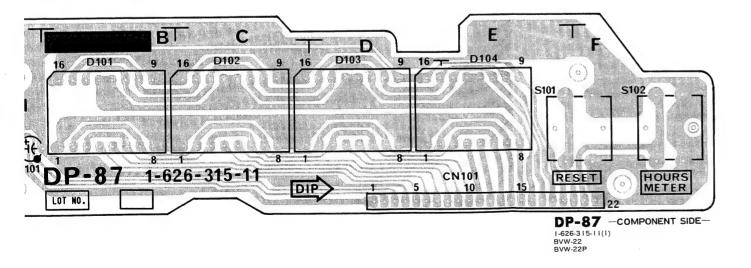


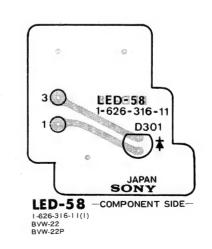
16-55 (a)

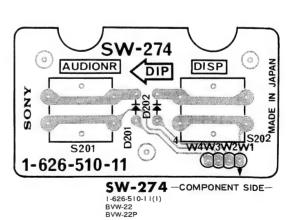
LAY PLAY MPOSE SWITCH

S/N UP TO 10188 (EK)









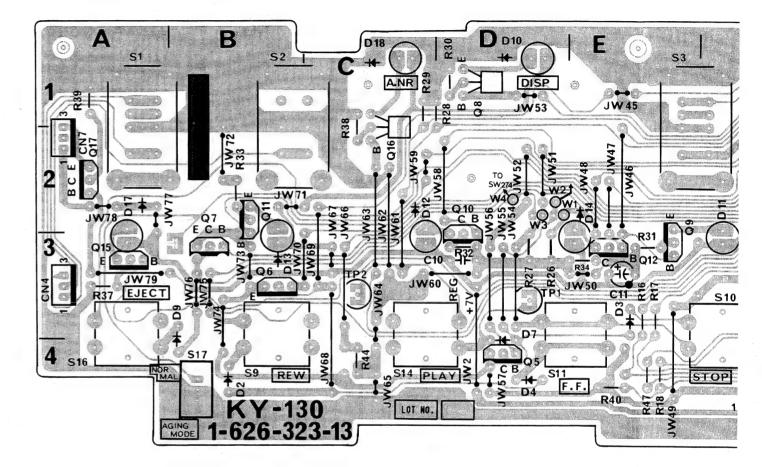
16-56 (a)

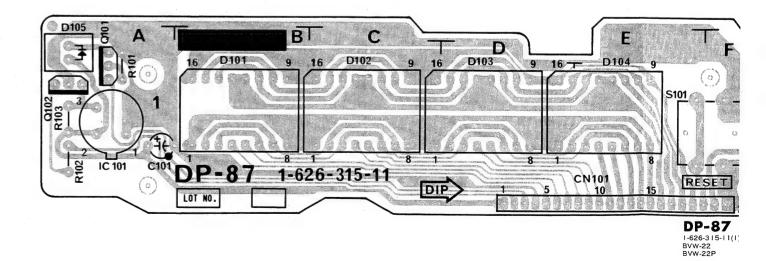
KY-130; FUNCTION KEY/ DISPLAY

S/N 10189 AND HIGHER (EK) DP-87; TIME COUNTER DISPLAY SW-274; DOLBY NR/SUPERIMPOSE SWITCH

LED-58; AUTO OFF DISPLAY

DP-87(1-626	5-315-11)	KY-130(1-6	26-323-13))	
D101 II D102 (D103 II D104 II	E-1 B-1 C-1 C-1 E-1 A-1	CN1 CN2 CN3 CN4 CN5 CN6 CN7	K-2 L-3 F-4 A-3 J-4 L-4 A-2	S17 TP1 TP2 X1	B-4 D-3 C-3 H-4
Q101 / Q102 /	A-1 A-1 A-1 F-1	D2 D3 D4 D6 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18	B-4 E-3 D-4 J-3 D-4 J-3 B-3 D-1 F-2 C-2 B-3 E-2 K-3 J-2 A-2		
		IC1	G-3		
		Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18	K-1 K-1 J-1 J-1 D-4 B-3 B-3 D-1 E-3 D-2 B-2 E-3 K-3 J-3 A-3 C-2 A-2 J-2		
		\$1 \$2 \$3 \$9 \$10 \$11 \$13 \$14 \$15 \$16	A-1 B-1 E-1 B-3 F-3 E-3 K-3 C-3 J-3		

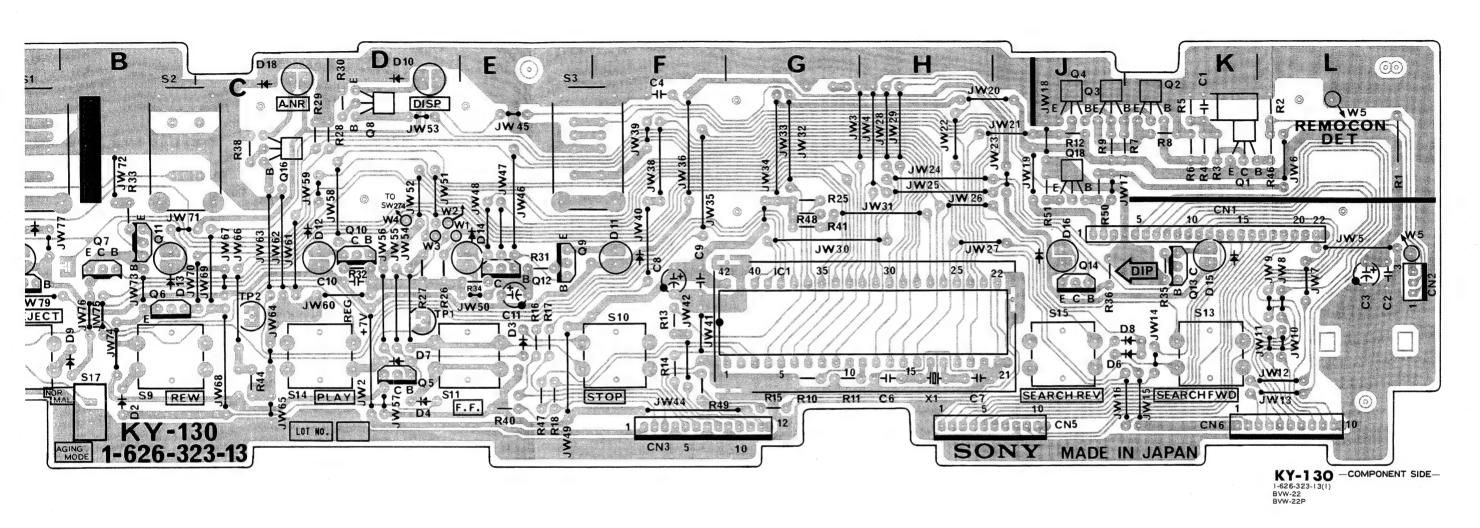


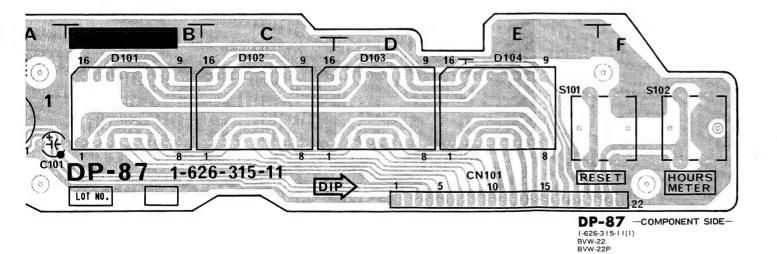


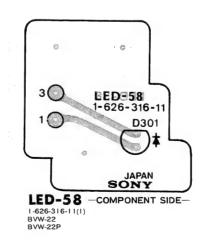
16-55(b)

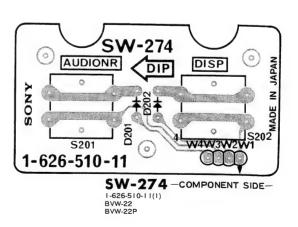
DISPLAY
DISPLAY
PERIMPOSE SWITCH
.AY

S/N 10189 AND HIGHER (EK)









16-56(b)

16-57(b)

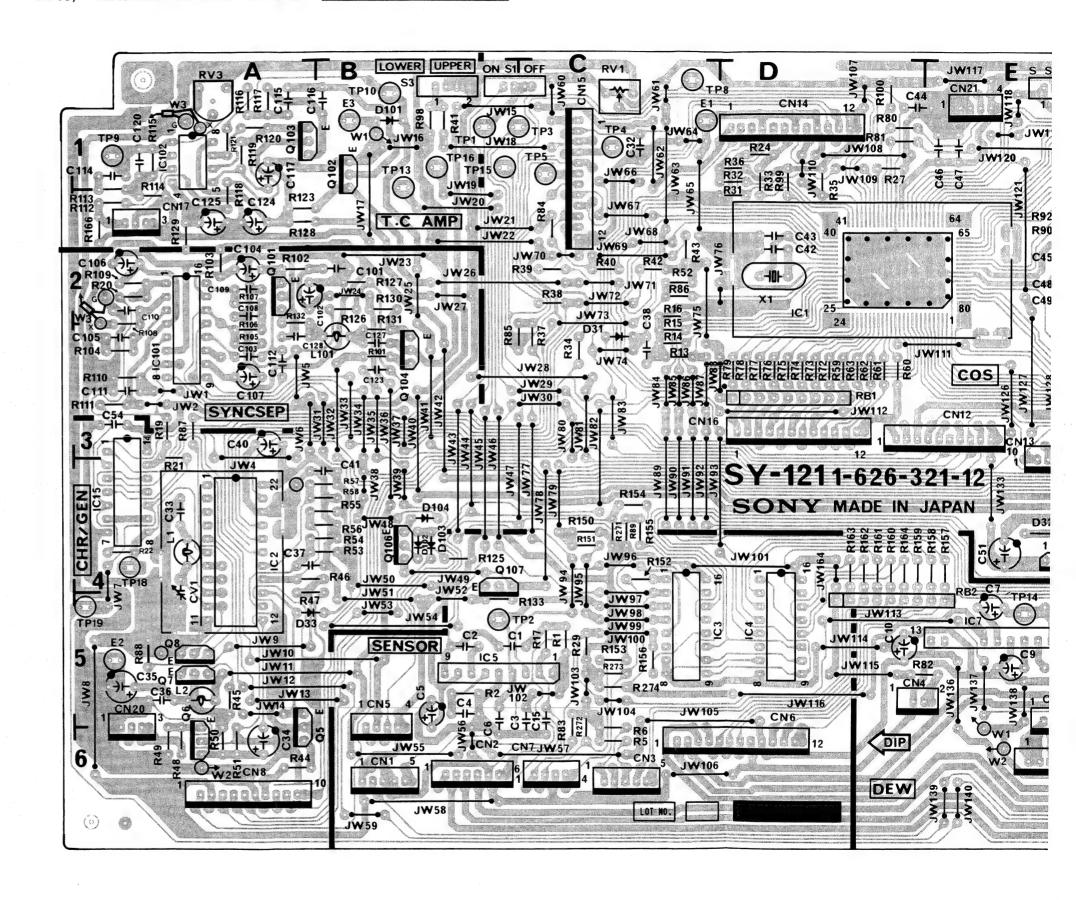
SY-121A; SYSTEM CONTROL VR-69: TRACKING CONTROL VOLUME

S/N UP TO 10188 (EK)

	A(1-626-321				
CN1	B-6	IC6	E-4	TP12	G-4
CN2	B-6	IC7	E-5	TP13	B-1
CN3	C-6	IC8	F-5	TP14	E-5
CN4	D:5	IC9	F-5	TP15	B-1
CN5	B-5	IC10	H-4	TP16	B-1
CN6	D-6	IC11	H-5	TP17	G-1
CN7	C-6	IC12	H-5	TP18	A-4
CN8	A-6	IC13	F-5	TP19	A-5
CN9	G-6	IC14	G-5		
CN10	G-6	IC15	A-4	X1	D-2
CN11	E-6	IC101	A-3		
CN12	E-3	IC102	A-1		
CN13	E-4	IC103	G-5		
CN14	D-1	IC201	G-3		
CN15	C-1	IC202	H-3		
CN16	D-3	IC203	G-3		
CN17	A-2	IC204	G-1		
CN18	G-4	IC205	G-1		
CN19	F-2	IC206	H-1		
CN20	A-5				
CN21	E-1	Q1	F-3		
CN22	F-2	Q2	F-3		
CN23	E-5	Q3	F-3		
		Q4	E-3		
CV1	A-4	Q5	A-5		
		Q6	A-6		
D1	F-6	Q7	A-5		
D2	F-6	Q8	A-5		
D3	F-6	Q11	F-3		
D4	F-6	Q101	A-2		
D31	C-3	Q102	B-1		
D32	E-4	Q103	A-1		
D33	A-5	Q104	B-3		
D101	B-1	Q105	G-4		
D102	B-4	Q106	B-4		
D103	B-4	Q107	B-4		
D104	B-4				
D201	G-3	RB1	D-3		
D202	G-2	RB2	D-5		
D203	G-3				
D204	F-2	RV1	C-1		
D205	H-3	RV2	H-1		
D207	G-3	RV3	A-1		
D208	F-1				
D209	G-3	S1	B-1		
D210	G-1	S2	E-1		
D211	H-2	S3	B-1		
E1	C-1	TP1	B-1		
E2	A-5	TP2	B-5		
E3	B-1	TP3	C-1		
E4	G-1	TP4	C-1		
		TP5	C-1		
IC1	D-2	TP7	F-1		
IC2	A-4	TP8	C-1		
IC3	C-5	TP9	A-1		
IC4	D-5	TP10	B-1		
105		TD11			

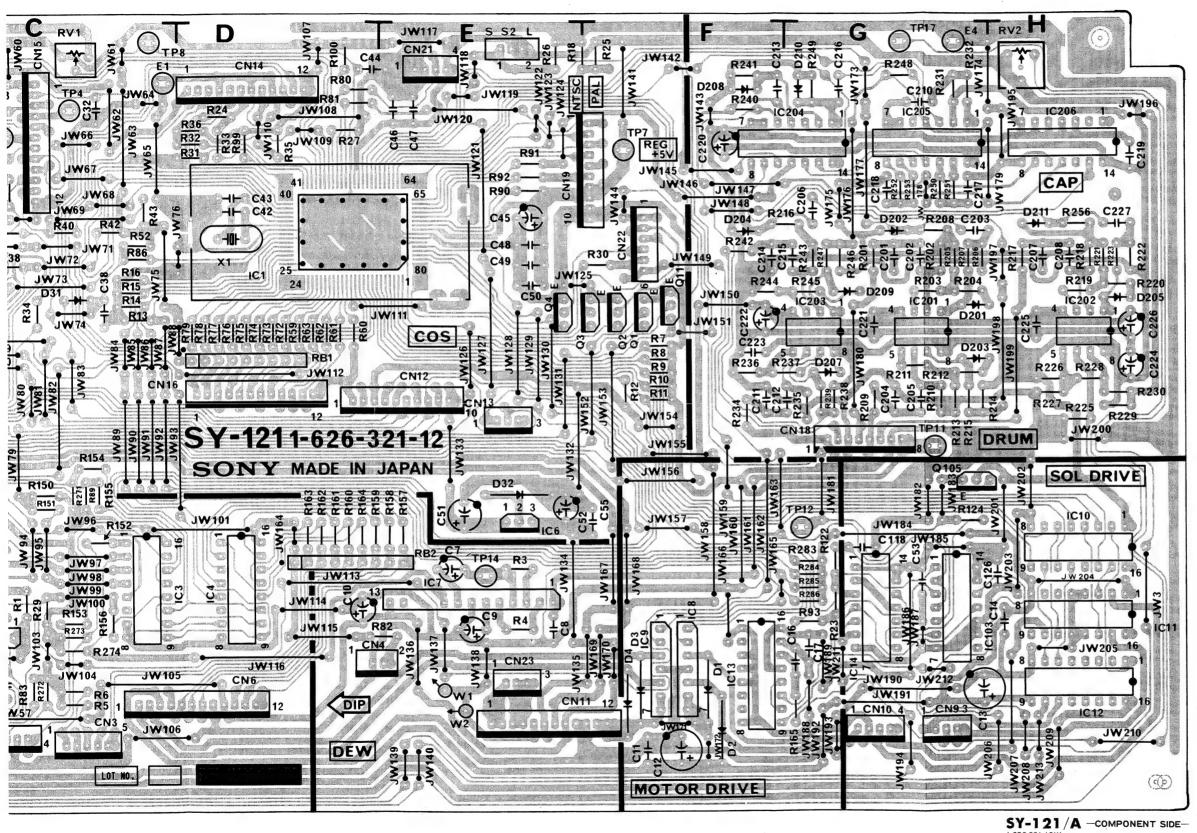
TP11

G-4



IC5

B-5

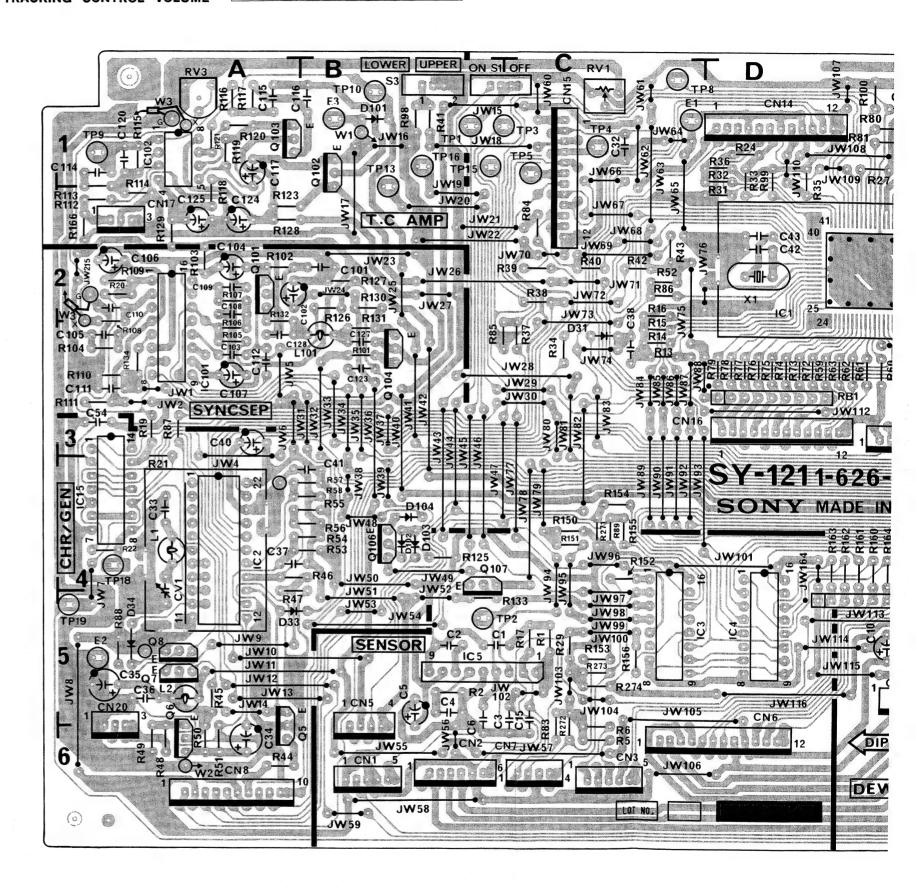




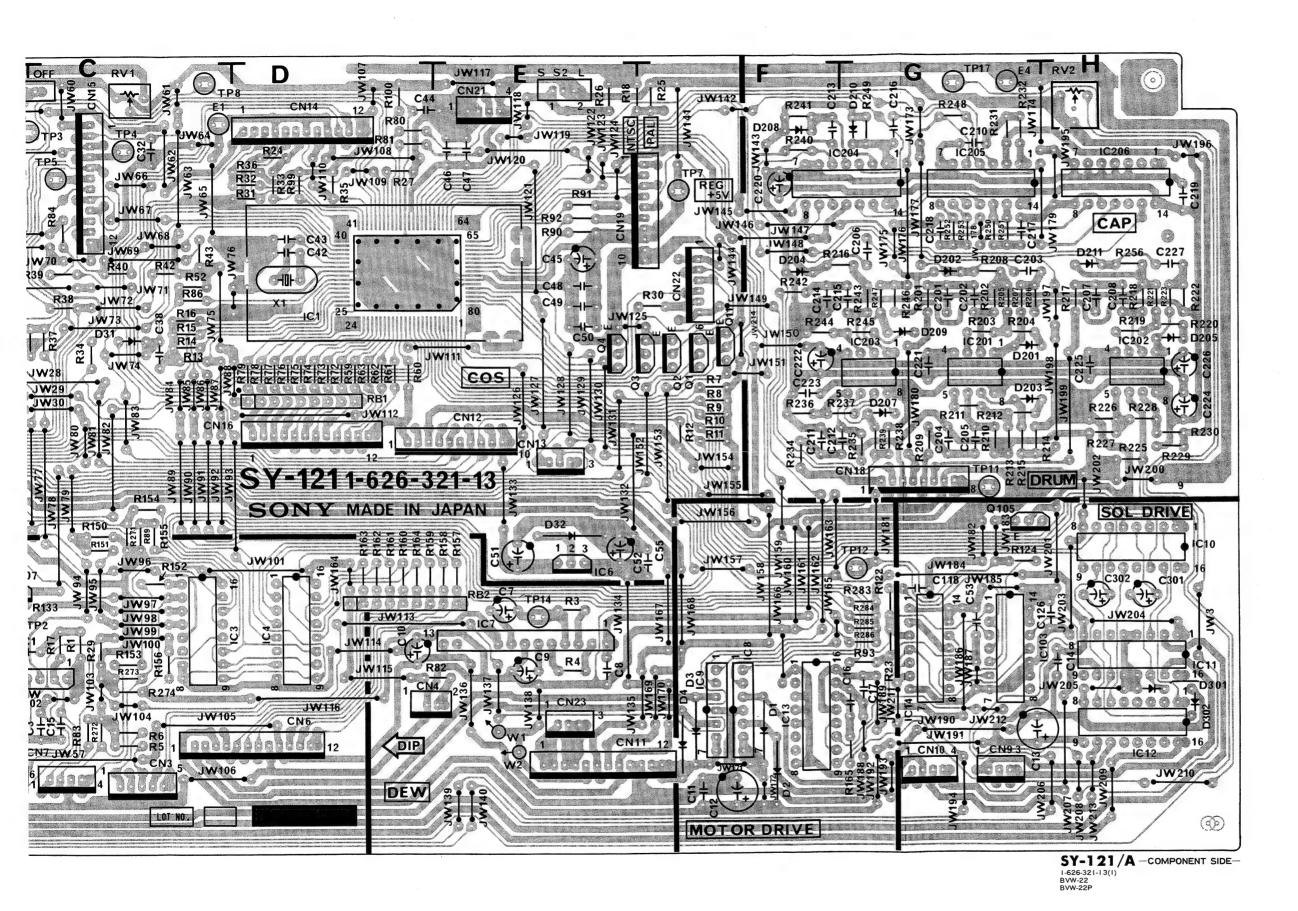
SY-121A; SYSTEM CONTROL VR-69; TRACKING CONTROL VOLUME

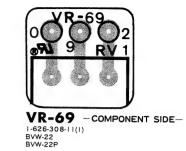
S/N 10189 AND HIGHER (EK)

SY-121A(1	-626-321-1	3)			
CNI	B-6	IC3	C-5	TP9	A-1
CN1					
CN2	B-6	IC4	D-5	TP10	B-1
CN3	C-6	IC5	B-5	TP11	G-4
CN4	D-5	IC6	E-4	TP12	G-4
CN5	B-5	IC7	E-5	TP13	B-1
CN6	D-6	IC8	F-5	TP14	E-5
		IC9	F-5		
CN7	C-6			TP15	B-1
CN8	A-6	IC10	H-4	TP16	B-1
CN9	G-6	IC11	H-5	TP17	G-1
CN10	G-6	IC12	H-5	TP18	A-4
CN11	E-6	IC13	F-5	TP19	A-5
CN12	E-3	IC14	G-5	23	7. 0
CN13	E-4	IC15	A-4	X1	D-2
CN14	D-1	IC101	A-3		
CN15	C-1	IC102	A-1		
CN16	D-3	IC103	G-5		
CN17	A-2	IC201	G-3		
CN18	G-4	IC202	H-3		
CN19	F-2	IC203	G-3		
CN20	A-5	IC204	G-1		
CN21	E-1	IC205	G-1		
CN22	F-2	IC206	H-1		
CN23	E-5	10200			
CNZS	E-3	-			
		Q1	F-3		
CV1	A-4	Q2	F-3		
		Q3	F-3		
D1	F-6	Q4	E-3		
D2	F-6	Q5	A-5		
D3	F-6	Q6	A-6		
D4	F-6	Q7	A-5		
D31	C-3	Q8	A-5		
D32	E-4	Q11	F-3		
D33	A-5	Q101	A-2		
D34	A-5	Q102	B-1		
		-			
D101	B-1	Q103	A-1		
D102	B-4	Q104	B-3		
D103	B-4	Q105	G-4		
D104	B-4	Q106	B-4		
D201	G-3	Q107	B-4		
		Q107	D-4		
D202	G-2				
D203	G-3	RB1	D-3		
D204	F-2	RB2	D-5		
D205	H-3				
D207	G-3	RV1	C-1		
D208	F-1	RV2	H-1		
D209	G-3	RV3	A-1		
D210	G-1				
D211	H-2	S1	B-1		
D301	H-5	S2	E-1		
D302	H-5	S3	B-1		
D302	110		5 1		
	0.	TD:	D 1		
E1	C-1	TP1	B-1		
E2	A-5	TP2	B-5		
E3	B-1	TP3	C-1		
E4	G-1	TP4	C-1		
		TP5	C-1		
101	D.0				
IC1	D-2	TP7	F-1		
IC2	A-4	TP8	C-1		



16-63(b)

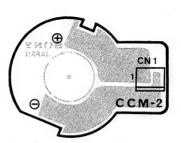




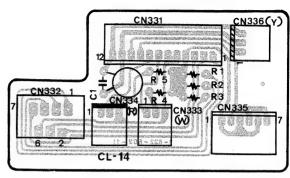
CCM-2; CASSETTE-UP COMPARTMENT MOTOR CL-14; CASSETTE-UP COMPARTMENT

PC-33; CASSETTE-UP COMPARTMENT (CASSETTE UP/DOWN DETECTOR)
PC-41; CASSETTE-UP COMPARTMENT (CASSETTE IN DETECTOR)

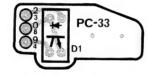
PC-47; CASSETTE-UP COMPARTMENT (L/S DETECTOR)



CCM-2 —COMPONENT SIDE— I-623-198-11(1) BWW-22P



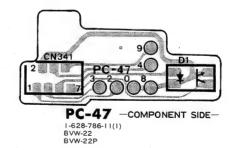
CL-14 — COMPONENT SIDE— 1-622-602-11(1) BVW-22 BVW-22P



PC-33 —COMPONENT SIDE—
1-622-604-11(1)
8VW-22
BVW-22P



PC-41 -COMPONENT SIDE-I-623-267-11(I) BVW-22 BVW-22P



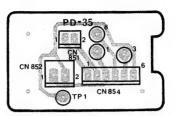
PD-35; PINCH SOLENOID

PTC-15; THREAD/UNTHREAD END SENSOR

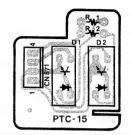
PTC-20; CASSETTE DETECTOR (TAPE THICKNESS, REEL HUB DIAMETER, METAL/OXIDE)

PTC-21; REEL TABLE POSITION DETECTOR

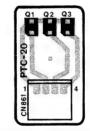
PTC-36; CASSETTE DETECTOR (TAPE THICKNESS, REEL HUB DIAMETER, METAL/OXIDE)



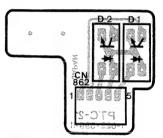
PD-35 —COMPONENT SIDE—



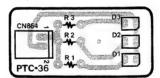
PTC-15 -- COMPONENT SIDE-1-622-597-11(1) BVW-22 BVW-22P



PTC-20 —COMPONENT SIDE— I-622-598-I I(I) BVW-22 BVW-22P



PTC-21 —COMPONENT SIDE—
1-622-599-11(I)
8VW-22
BVW-22P

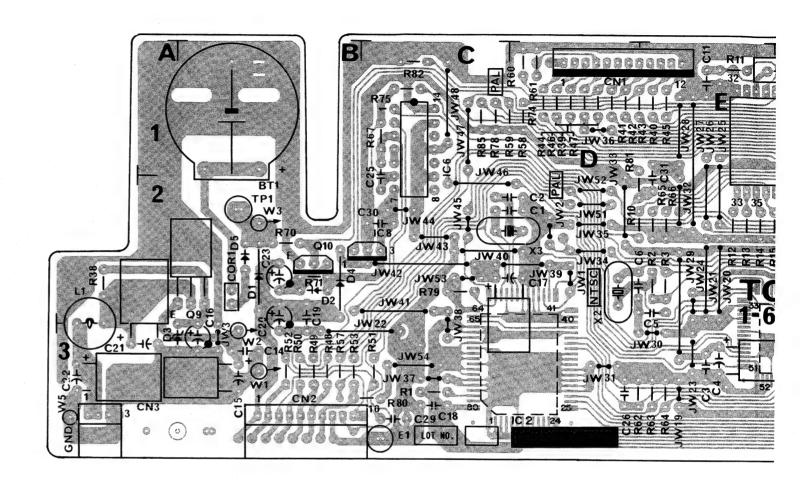


PTC-36 — COMPONENT SIDE—
1-622-601-11(1)
8WW-22
BVW-22P

S/N UP TO 10188 (EK)

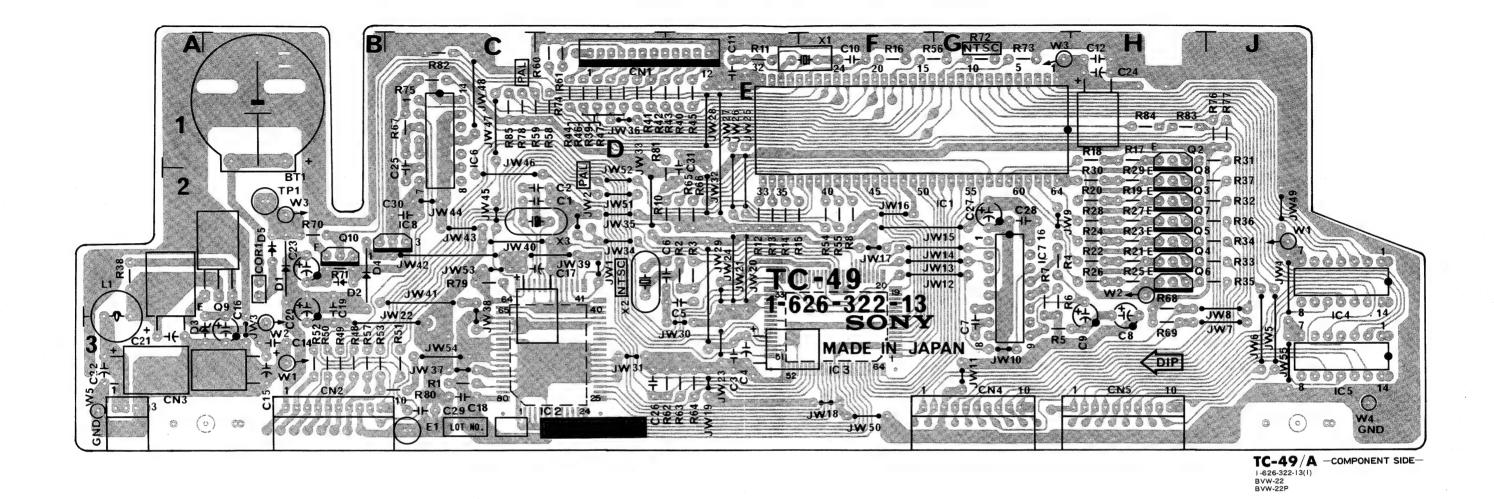
TC-49A(1-626-322-13)

,	
BT1	B-1
CN1 CN2 CN3 CN4 CN5	D-1 B-3 A-3 G-3 H-3
COR1	B-2
D1 D2 D3 D4 D5	B-2 B-2 A-3 B-2 B-2
E1	C-3
IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8	F-1 F-2 S D-3 S J-2 J-3 C-1 G-2 C-2
Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10	H-1 H-2 H-2 H-2 H-2 H-2 H-2 B-2
TP1	B-2
X1 X2 X3	F-1 D-2 D-2



* * S; SOLDERING SIDE

S/N UP TO 10188 (EK)

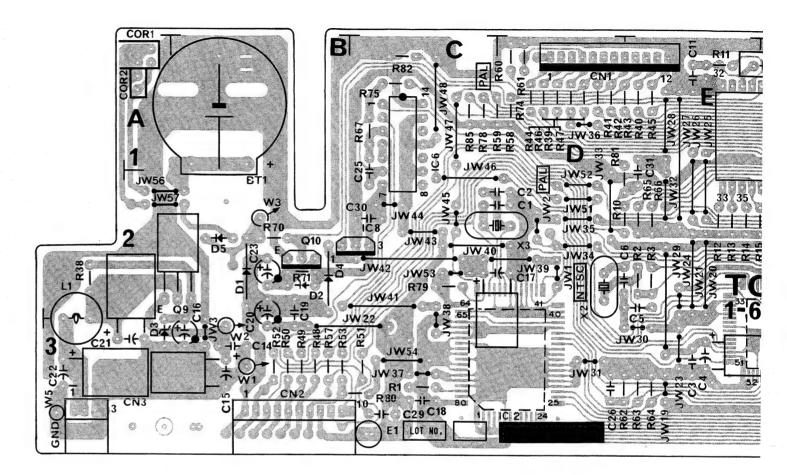


)E

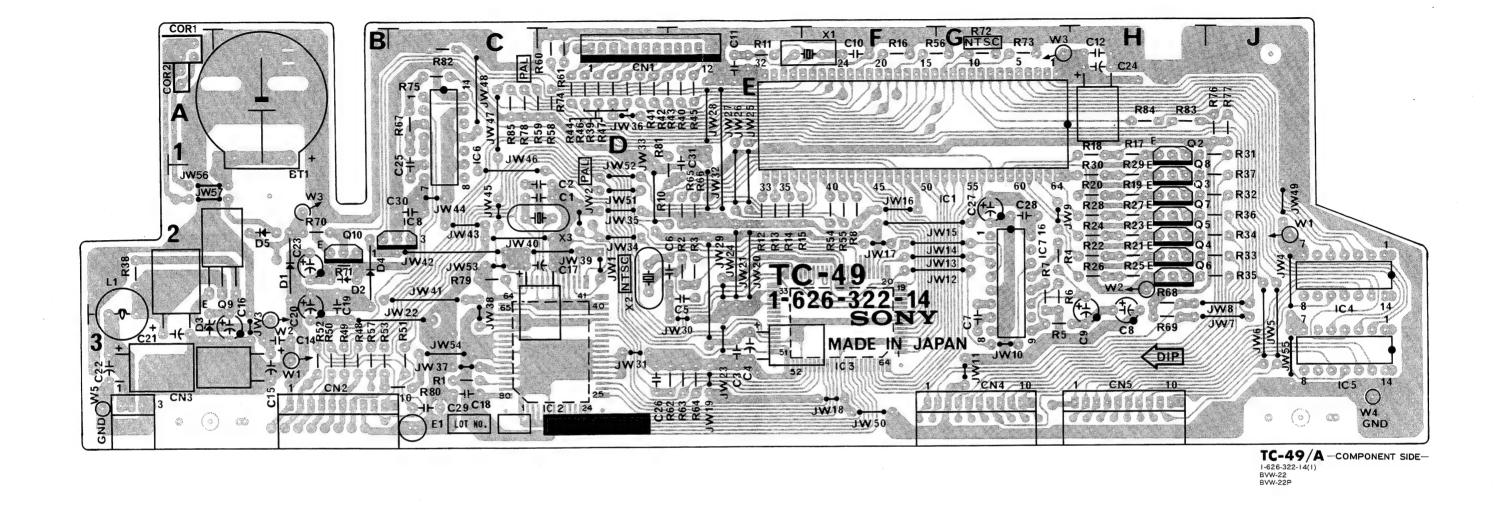
TC-49A(1-626-322-14)

BT1	B-1
CN1	D-1
CN2	B-3
CN3	A-3
CN4	G-3
CN5	H-3
COR1	A-1
COR2	A-1
D1	B-2
D2	B-2
D3	A-3
D4	B-2
D5	B-2
E1	C-3
IC1	F-1
IC2	F-2 S
IC3	D-3 S
IC4	J-2
IC5	J-3
IC6	C-1
IC7	G-2
IC8	C-2
Q2	H-1
Q3	H-2
Q4	H-2
Q5	H-2
Q6	H-2
Q7	H-2
Q8	H-2
Q9	B-2
X1	F-1
X2	D-2
X3	D-2

- S; SOLDERING SIDE



S/N 10189 TO 10363 (EK)

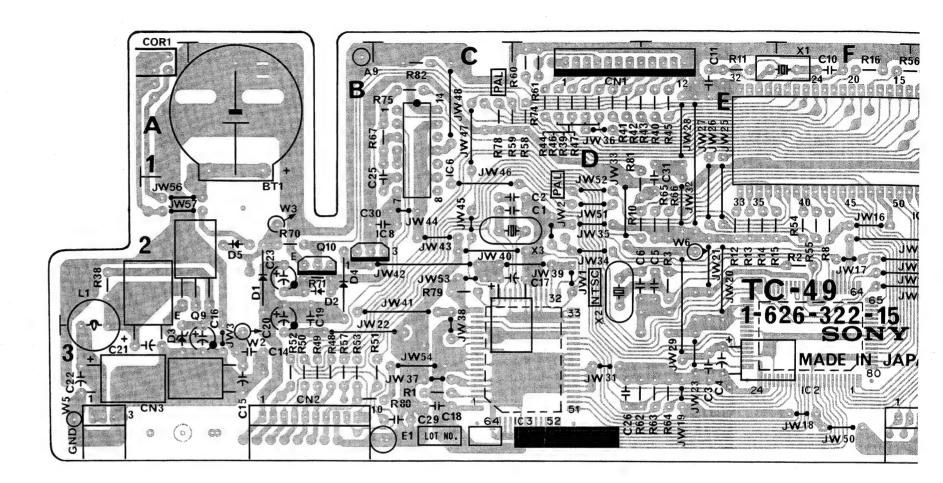


S/N 10364 AND HIGHER (EK)

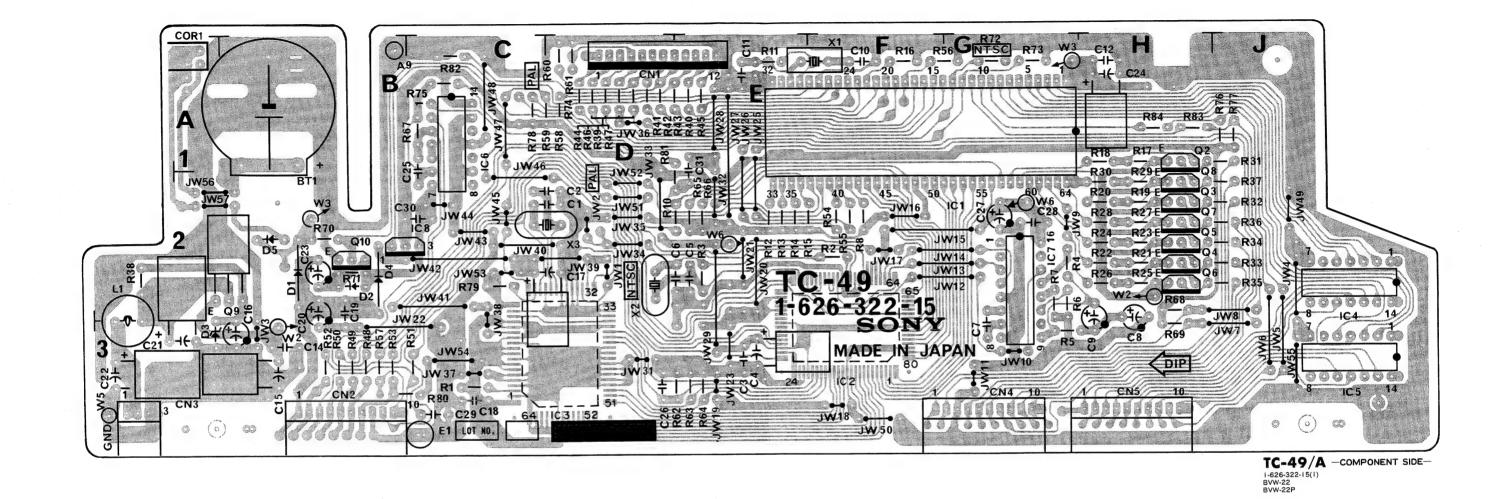
TC-49A(1-626-322-15)

BT1	B-1
CN1	D-1
CN2	B-3
CN3	A-3
CN4	G-3
CN5	H-3
COR1	A-1
D1	B-2
D2	B-2
D3	A-3
D4	B-2
D5	B-2
E1	C-3
IC1	F-1
IC2	F-2 S
IC3	D-3 S
IC4	J-2
IC5	J-3
IC6	C-1
IC7	G-2
IC8	C-2
Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10	H-1 H-2 H-2 H-2 H-2 H-2 H-2 B-2
X1	F-1
X2	D-2
X3	D-2

. S; SOLDERING SIDE



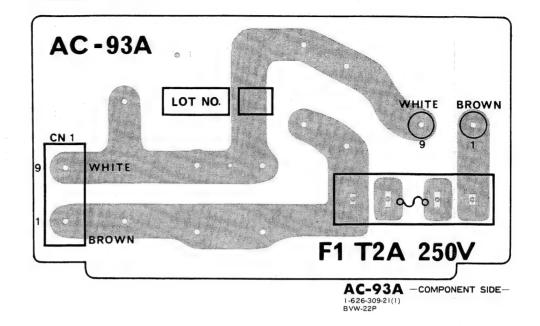
S/N 10364 AND HIGHER (EK)



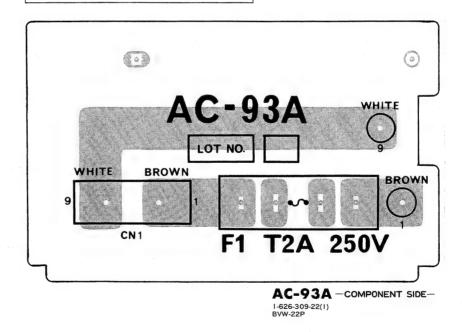
16-81 (c)

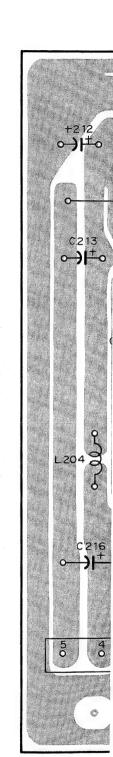
AC-93A; AC INPUT UR-14E; SWITCHING REGULATOR

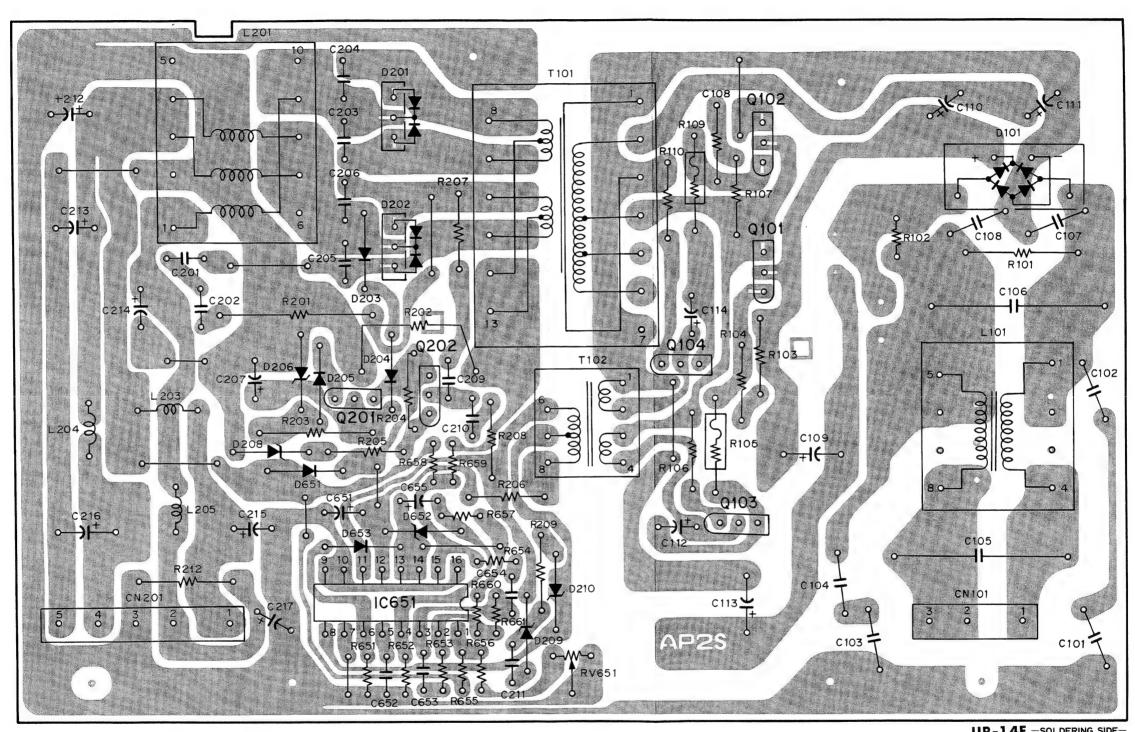
S/N UP TO 10188 (EK)



S/N 10189 AND HIGHER (EK)





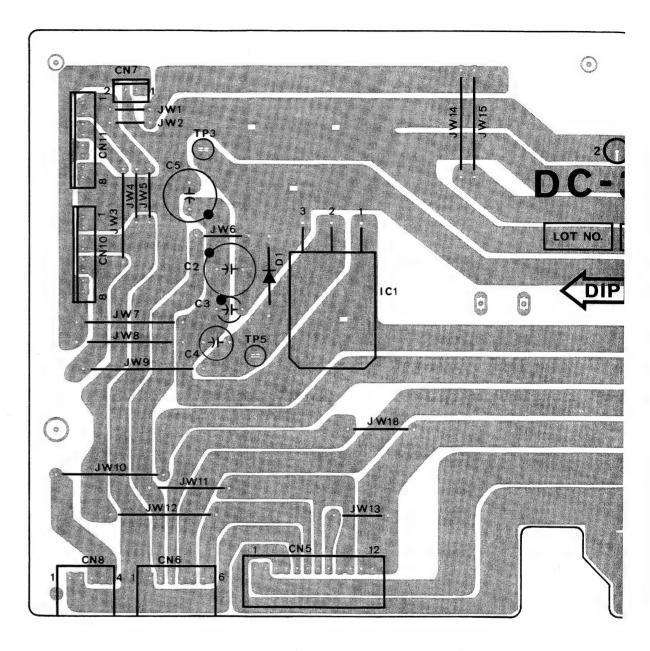


UR-14E —SOLDERING SIDE— 1-413-249-12(1) BVW-22P

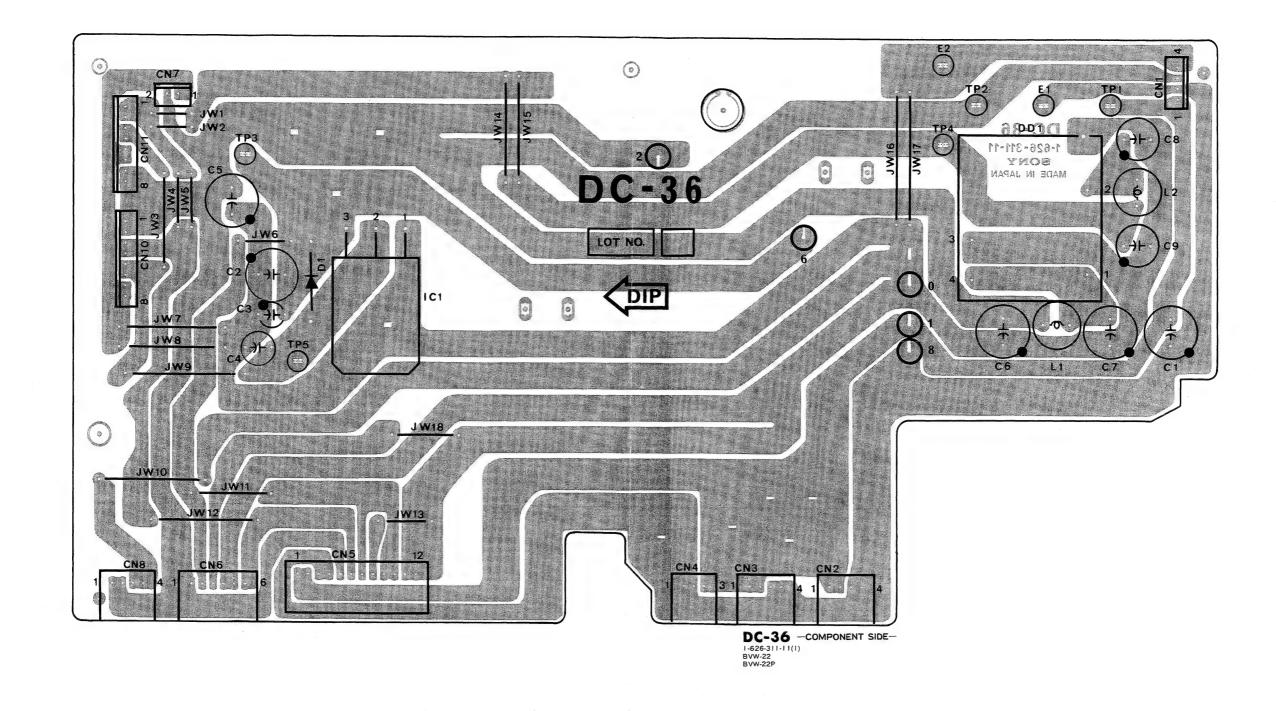
E O O O O O O

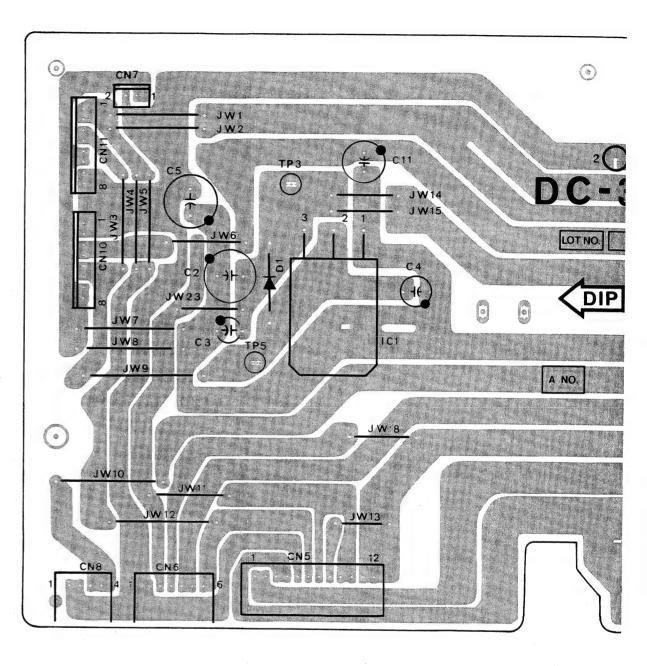
16-88

DC-36; DC SUPPLY S/N UP TO 11057 (EK)

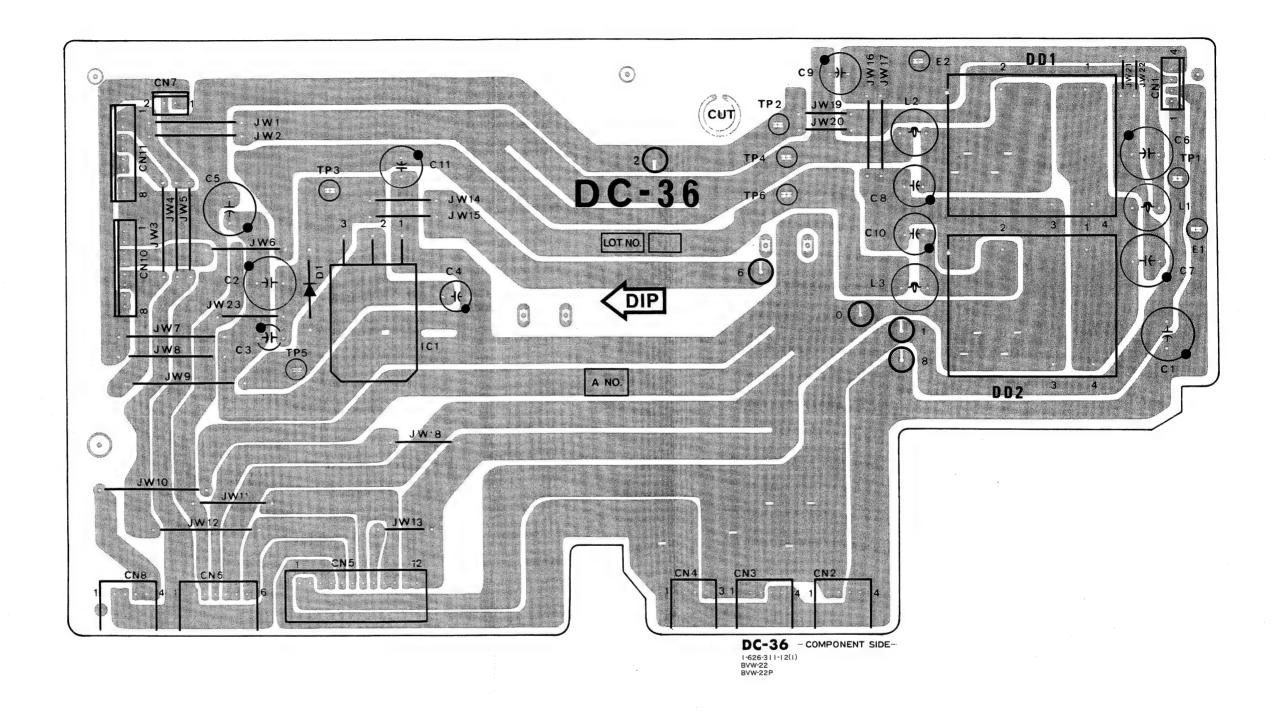


DC-36; DC SUPPLY S/N UP TO 11057 (EK)





DC-36; DC SUPPLY S/N 11058 AND HIGHER (EK)



SECTION 17 SPARE PARTS AND FIXTURE

17-1. PARTS INFORMATION

The shaded and A -marked components are critical to safety.

Replace only with same components as specified.

(2) Replacement Parts supplied from the Sony

- Parts Center will sometimes have a different shape from the original parts. This is due to "improved parts and/or engineering changes" or "standardization of genuine parts".

 This manual's exploded views and electrical spare parts list indicate the part numbers of "the standardized genuine parts at the present". Regarding engineering part changes by the engineering department, refer to Sony service bulletins and service manual supplements.
- (3) The parts marked with "s" in the SP column of the exploded views and electrical spare parts list are normally stocked for replacement purposes. The parts marked with "o" in the SP column are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.
- (4) Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- (5) (T) after a spring description is shown on the exploded views in order to indicate the number of spring turns required for use. (Example) Spring, tension (24T); This spring must be cut at its 24th turn for actual use.

- (6) Parts that are not listed in the "Reference Numbers Order List" are shown in the General Purpose Electrical List. Reference numbers are omitted.
 - All capacitors are in micro farads unless otherwise specified.

 All inductors are in micro henries unless otherwise specified.

 All resistors are in ohms.

PARTS CHANGE INFORMATION

- In this parts list, **) marked parts are design-changed. Appricable Serial No. are as follows.
- 1) marked parts are for Serial No. up to 10188.
- 2) marked parts are for Serial No. 10189 and higher.
- 3) marked parts are for Serial No. up to 10228.
- 4) marked parts are for Serial No. 10229 and higher.
- 5) marked parts are for Serial No. up to 10363.
- 6) marked parts are for Serial No. 10364 and higher.
- 7) marked parts are for Serial No. up to 10573.
- 8) marked parts are for Serial No. 10574 and higher.
- 9) marked parts are for Serial No. up to 10733.
- 10) marked parts are for Serial No. 10734 and higher.
- 11) marked parts are for Serial No. up to 10949.
- 12) marked parts are for Serial No. 10950 and higher.

- 13) marked parts are for Serial No. up to 11057.
- 14) marked parts are for Serial No. 11058 and higher.
- 15) marked parts are for Serial No. up to 11142.
- 16) marked parts are for Serial No. 11143 and higher.
- 17) marked parts are for Serial No. up to 11172.
- 18) marked parts are for Serial No. 11173 and higher.
- 19) marked parts are for Serial No. up to 11465.
- 20) marked parts are for Serial No. 11466 and higher.

17-2. EXPLODED VIEW

- Exploded views are composed of the following blocks.
- 1. Supply Side Reel Chassis supply reel table supply motor plate reel motor reel drive motor cassette detector
- 2. Take-up Side Reel Chassis
 take-up reel table
 take-up motor plate
 reel motor
 cassette detector
- Head Drum, Stationary Heads and Tape Guides Block head drum ass'y
 CTL head
 TG-0 ass'y

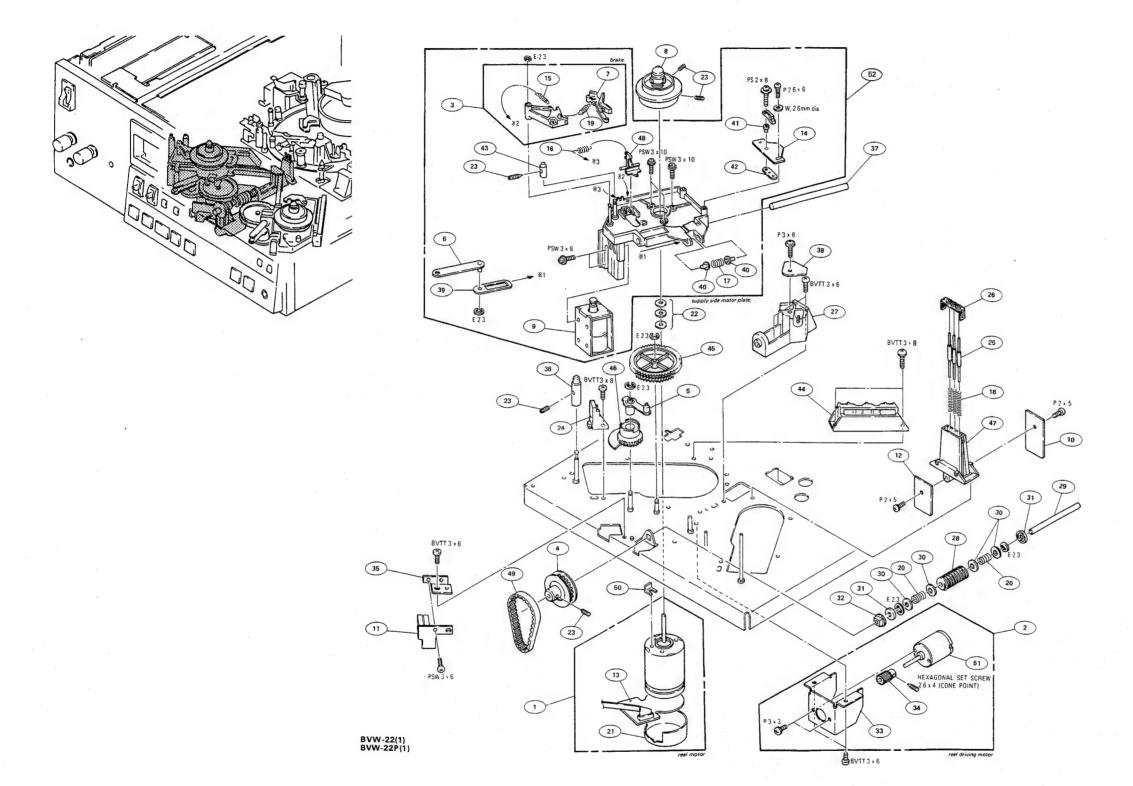
audio/TC head tape guide capstan motor

slip ring

- 4. Threading Ring Block threading ring pinch roller tape guide ring sensor
- 5. T Drawer Arm Block
 T drawer arm
 tape beginning sensor
- 6. Supply Tension Regulator Block supply tension regulator
- 7. Pinch Press Mechanism Block pinch press mechanism
- 8. Gear Box Block gear box
- 9. Function Control Panel Block function control panel

- 10. SC Guide Block SC guide
- 11. Cassette-up Compartment Block cassette-up compartment
- 12. Rear Panel Block
 connector
 switching regulator
- 13. Printed Circuit Board Block (1)
 printed circuit board
- 14. Printed Circuit Board Block (2)printed circuit board15. Ornamental Panel Block
- U case bottom panel

Supply Side Reel Chassis

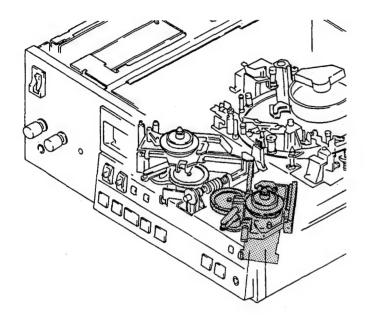


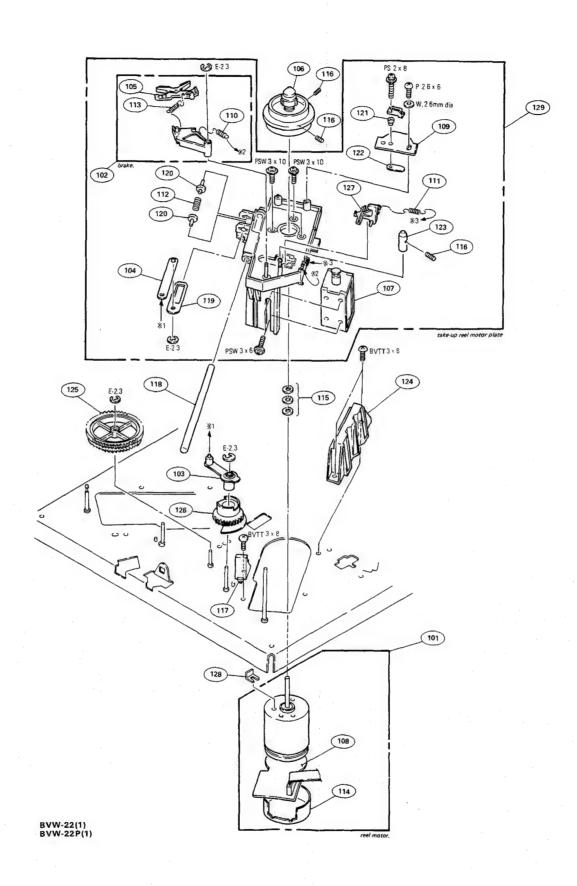
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Parts No. SP Description
     A-6737-175-A s MOTOR ASS'Y, REEL
     A-6737-192-A o MOTOR ASS'Y, REEL DRIVING
     A-6741-066-A o BRAKE ASS'Y
     X-3717-201-1 o PULLEY (L) ASS'Y, TIMING
     X-3717-202-1 o ARM ASS'Y, CRANK
     X-3717-204-1 o ARM (B) ASS'Y, CRANK
     X-3717-205-1 s LINING ASS'Y
     X-3717-207-1 s TABLE ASS'Y, REEL
     1-454-417-41 s SOLENOID, PLUNGER
     1-622-598-11 o PRINTED CIRCUIT BOARD, PTC-20
     1-622-599-11 o PRINTED CIRCUIT BOARD, PTC-21
     1-622-601-11 o PRINTED CIRCUIT BOARD, PTC-36
12
13
     1-622-605-11 o PRINTED CIRCUIT BOARD, RM-40
     1-622-606-11 o PRINTED CIRCUIT BOARD, DE-15
     3-307-381-00 s SPRING, TENSION
     3-464-103-XX s SPRING TENSION (6T)
     3-491-247-00 s SPRING, COMPRESSION
     3-554-202-00 o SPRING, COMPRESSION
     3-648-217-00 o SPRING TENSION
     3-659-324-00 s SPRING, COMPRESSION
21
     3-675-826-00 o COVER, SHIELD, RM
     3-701-441-01 s WASHER, POLY 4MM DIA. 0.13T
     3-701-441-11 s WASHER, POLY 4MM DIA. 0.25T
     3-701-441-21 s WASHER, POLY 4MM DIA. 0.5T
    3-701-506-01 s SET SCREW, DOUBLE POINT 3 x 4
     3-717-205-01 o HOLDER (B), SHAFT
25
     3-717-206-01 s LEVER, M/C DETECTION
     3-717-207-01 o COVER, M/C DETECTION HOLDER
     3-717-208-01 o HOLDER (A), SHAFT
     3-717-210-01 s WORM
29
     3-717-211-01 o SHAFT, WORM
     3-717-212-01 o WASHER (B), WORM
     3-717-213-01 o WASHER (A), WORM
31
32
     3-717-214-01 o BEARING, WORM
     3-717-219-01 o BRACKET, MOTOR
34
     3-717-220-01 o PULLEY (S), TIMING
     3-717-221-01 o BRACKET, PTC-21
     3-717-222-01 s CAP (L), CS SHAFT
37
     3-717-223-01 s SHAFT, SLIDE
     3-717-224-01 s RETAINER, SHAFT, SLIDE
39
     3-717-230-01 o BRACKET, LIMITER
     3-717-231-01 o HOLDER, LIMITER
     3-717-232-01 o SHAFT, FITTING, MR SENSOR
     3-717-233-01 o BRACKET, DE-15
     3-717-266-01 o CAP (S), CG SHAFT
     3-717-398-01 o TABLE, SLIDE
     3-717-399-01 s WHEEL, W
     3-717-400-01 s GEAR, CRANK FLAT
     3-717-426-01 s HOLDER, M/C DETECTION
     3-717-450-01 o ARM, BRAKE RELEASE
     3-717-542-01 s BELT, TIMING
     3-717-625-01 s SPACER
     8-835-179-01 s MOTOR, DC MCB2B15
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A-6737-174-A s PLATE (S) ASSY, MOTOR

50

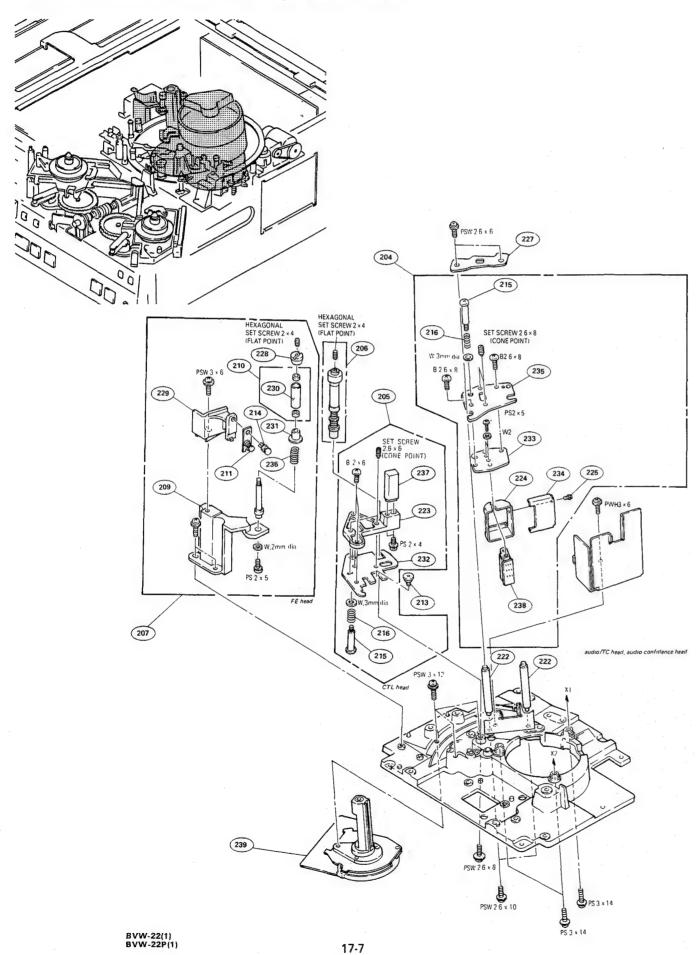
Take-up Side Reel Chassis

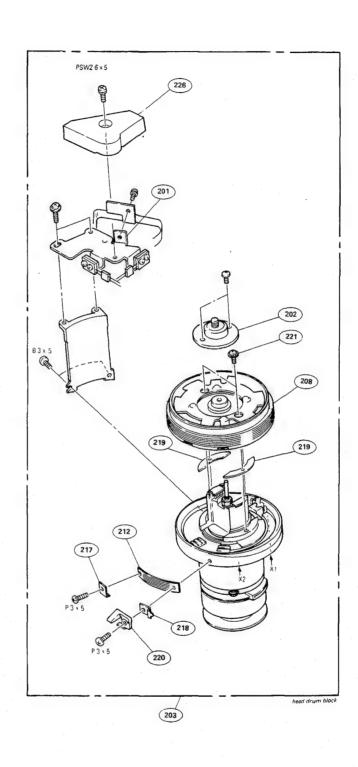




No. Parts No. SP Description 101 A-6737-175-A s MOTOR ASS'Y, REEL 102 A-6741-066-A o BRAKE ASS'Y 103 X-3717-202-1 o ARM ASS'Y, CRANK 104 X-3717-204-1 o ARM (B) ASS'Y, CRANK 105 X-3717-205-1 s LINING ASS'Y 106 X-3717-207-1 s TABLE ASS'Y, REEL 107 1-454-417-41 s SOLENOID, PLUNGER 108 1-622-605-11 o PRINTED CIRCUIT BOARD, RM-40 109 1-622-606-11 o PRINTED CIRCUIT BOARD, DE-15 110 3-307-381-00 s SPRING, TENSION 111 3-464-103-XX s SPRING, TENSION (6T) 112 3-491-247-00 s SPRING, COMPRESSION 113 3-648-217-01 o SPRING, TENSION 114 3-675-826-00 o COVER, SHIELD, RM 115 3-701-441-01 s WASHER. POLY 4MM DIA. 0.13T 3-701-441-11 s WASHER. POLY 4MM DIA. 0.25T 3-701-441-21 s WASHER. POLY 4MM DIA. 0.5T 116 3-701-506-01 s SET SCREW, DOUBLE POINT 3 x 4 117 3-717-205-01 o HOLDER (B), SHAFT 118 3-717-223-01 s SHAFT, SLIDE 119 3-717-230-01 o BRACKET, LIMITER 120 3-717-231-01 o HOLDER, LIMITER 121 3-717-232-01 o SHAFT, FITTING , MR SENSOR 122 3-717-233-01 o BRACKET, DE-15 123 3-717-266-01 o CAP (S), CG SHAFT 124 3-717-398-01 o TABLE, SLIDE 125 3-717-399-01 s WHEEL, W 126 3-717-400-01 s GEAR, CRANK FLAT 127 3-717-450-01 o ARM, BRAKE RELEASE 128 3-717-625-01 s SPACER 129 A-6737-176-A s PLATE (T) ASSY, MOTOR

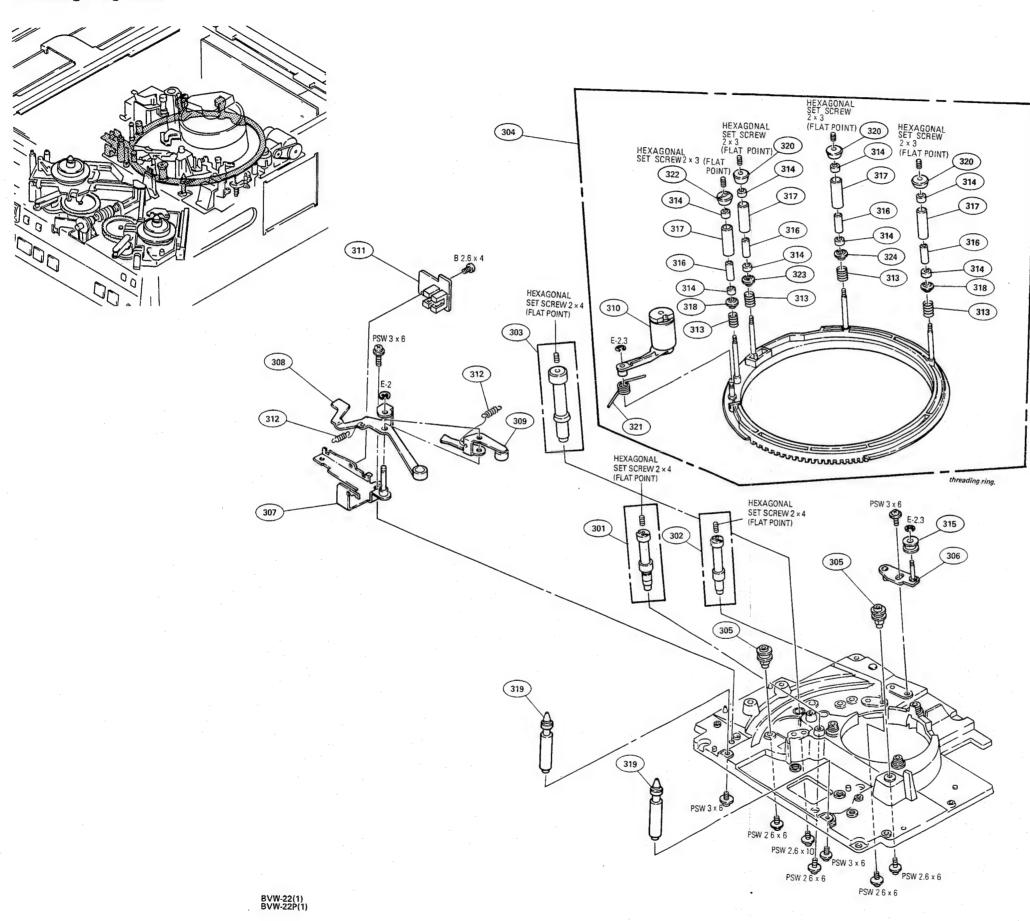
Head Drum, Stationary Heads and Tape Guides Block





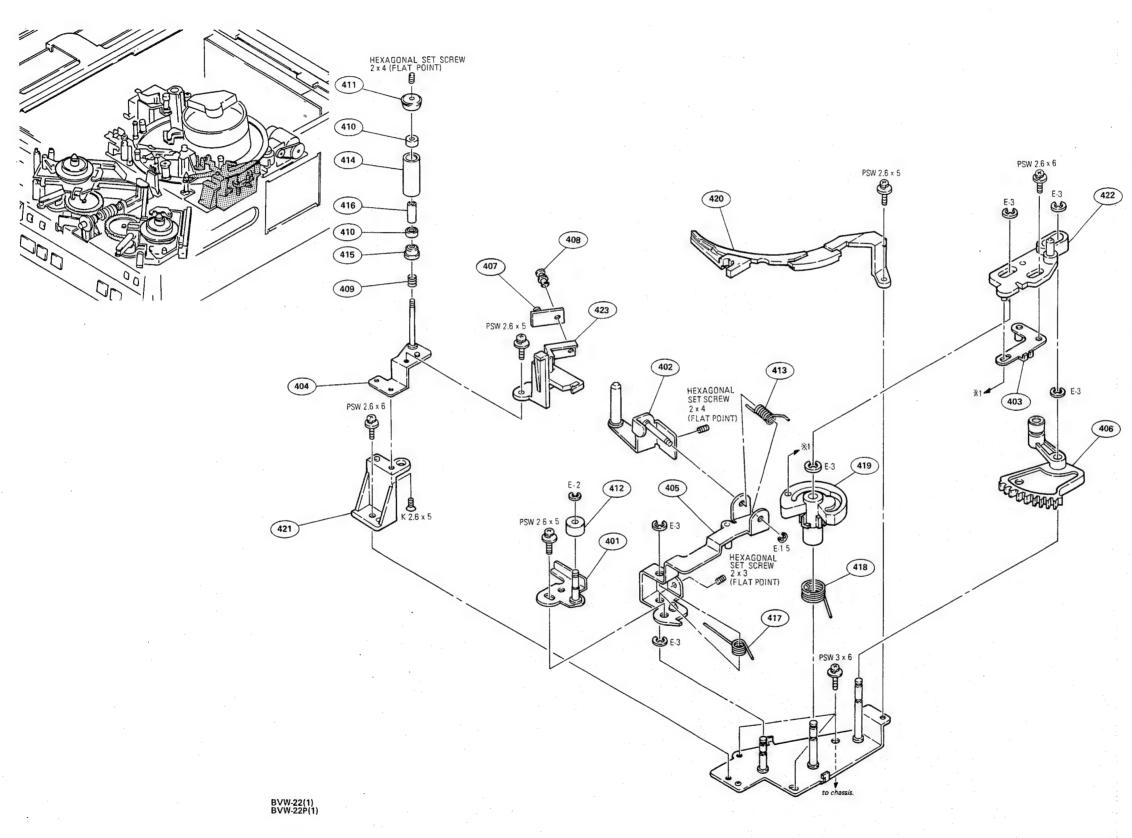
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No. Parts No. SP Description
201 A-6050-575-A s BRUSH ASS'Y
202 A-6050-576-A s RING ASS'Y, SLIP
203 A-6050-581-A s HEAD DRUM ASS'Y, DBH-11A-R (for I, UC)
     A-6050-582-A s HEAD DRUM ASS'Y, DBH-12A-R (for EK)
204 A-6736-081-A o HEAD ASS'Y, AU
205 A-6736-082-A o HEAD ASS'Y, CTL
    A-6746-027-C s ROLLER (TG IN) ASS'Y. TAPE
207 A-6746-053-A o TG-0 ASS'Y
208 A-6762-376-A s UPPER DRUM ASS'Y, DBR-11-R (for J, UC)
     A-6762-377-A s UPPER DRUM ASS'Y, DBR-12-R (for EK)
209 X-3717-292-1 o DECK ASS'Y, TG-0
210 X-3717-299-1 s ROLLER ASS'Y, GUIDE
     1-543-316-21 s HEAD, SENSING (SMALL TYPE)
212 1-586-633-00 s DETECTOR, DEW
213 2-236-956-00 s SCREW, STEP
214 2-279-715-01 s RIVET, NYLON
215 3-437-173-02 o SCREW, HEAD ADJUSTING
216 3-653-350-00 s SPRING, COMPRESSION
217 3-655-631-00 o TERMINAL, GROUND
218 3-675-701-00 o TERMINAL BOARD
219 3-675-708-01 s SPACER, FLANGE (T=0.01 MM)
     3-675-708-11 s SPACER, FLANGE (T=0.03 MM)
     3-675-708-21 s SPACER, FLANGE (T=0.5 MM)
     3-675-708-31 s SPACER, FLANGE (T=0.1 MM)
    3-675-739-00 o SPACER, INSULATING (2)
    3-675-740-00 o EXT TOOTH (W) (MIDDLE), 2.6X8
    3-675-804-02 o BRACKET, ADJUSTMENT PLATE
223 3-675-842-00 o PLATE, ADJUSTMENT, CTL
224 3-698-731-01 o PLATE, SHIELD, FRONT
    3-703-502-41 s SCREW
    3-717-199-01 o COVER, BRUSH
    3-717-243-03 o PLATE, ADJUSTMENT, AT HEAD
    3-717-267-01 s FLANGE, UPPER
229 3-717-272-01 o HOLDER, S SENSOR
    3-717-292-01 s ROLLER, GUIDE
    3-717-293-01 s FLANGE, LOWER
232 3-717-522-01 o BASE, CTL HEAD
    3-717-650-02 o BRACKET (P), HEAD
234 3-717-651-01 o CASE (P), SHIELD
235 3-717-652-01 o DECK (P), HEAD
236 4-879-762-00 s SPRING, COMPRESSION
237 8-825-554-73 s HEAD, CTL PS244-21A
    8-825-771-11 s HEAD AUDIO CONFI. PS244-2103C
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239 8-835-259-02 s MOTOR, DC BHF-1918A



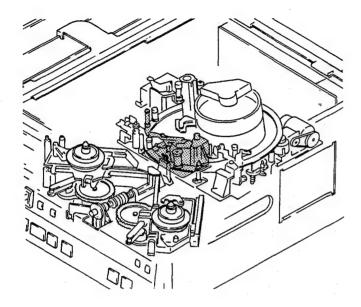
No. Parts No. SP Description A-6746-028-C s ROLLER (TG2) ASS'Y, TAPE A-6746-029-C s ROLLER (TG3) ASS'Y, TAPE A-6746-030-C s ROLLER (TG4) ASS'Y, TAPE 303 A-6750-214-C o RING ASS'Y, LOADING 305 X-3675-809-0 o ROLLER (A) ASS'Y, RING 306 X-3717-208-1 o ROLLER (B) SUB ASS'Y, RING 307 X-3717-210-1 o BRACKET ASS'Y, RING SENSOR X-3717-211-1 o LEVER ASS'Y, TH END X-3717-212-1 o LEVER ASS'Y, TH.B END 310 X-3717-215-2 s ARM ASS'Y, PINCH ROLLER 311 1-622-597-11 o PRINTED CIRCUIT BOARD, PTC-15 312 3-533-373-00 s SPRING, TENSION 3-637-331-00 s SPRING, COMPRESSION (L) 314 3-650-312-00 s BEARING, BALL (NO FLANGE) 315 3-675-866-00 o ROLLER, RING 316 3-680-809-00 s RETAINER, BEARING 317 3-680-810-00 s ROLLER 318 3-680-812-00 s FLANGE, LOWER 319 3-717-242-01 o SHAFT, CG 320 3-717-267-01 s FLANGE, UPPER 321 3-717-268-01 s SPRING 322 3-717-269-01 s FLANGE, PRECEDING GUIDE 323 3-717-270-01 s FLANGE (A), LOWER 324 3-717-271-01 s FLANGE (B), LOWER

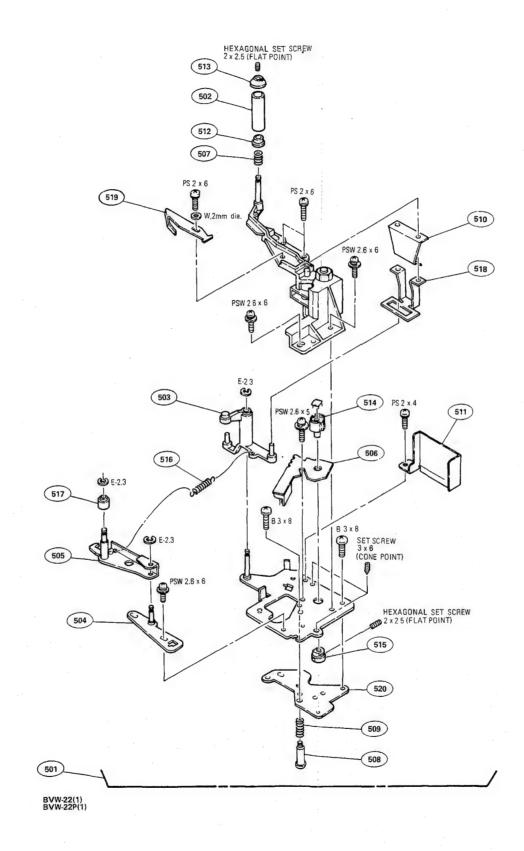
T Drawer Arm Block



No.	Parts No.	SP	Description
401	X-3717-221-1	0	PLATE ASS'Y, ADJUSTMENT
			GUIDE ASS'Y, SLANT
			PLATE ASS'Y, ADJUSTMENT, SLANT
			BASE ASS'Y, T ROLLER
	X-3717-239-1		
			GEAR (1) ASS'Y, T
			HEAD, SENSING (SMALL TYPE)
408	2-279-715-01	s	RIVET, NYLON
409	2-618-901-00	0	SPRING
410	3-650-312-00	s	BEARING, BALL (NO FLANGE)
411	3-717-267-01	S	FLANGE, UPPER
			ROLLER (2)
			SPRING (SLANT GUIDE)
			ROLLER, GUIDE
415	3-717-293-01	s	FLANGE, LOWER
410	3-717-294-01		DETAILIED DEADING
		-	RETAINER, BEARING
	3-717-299-01		
			SPRING (T GEAR 2)
			GEAR (2), T
420	3-717-407-03	s	RETAINER, PINCH
421	3-717-524-01	0	BRACKET, T ROLLER ASS'Y
	3-717-536-01		
			HOLDER, SENSOR

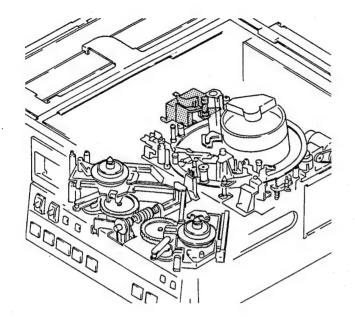
Supply Tension Regulator Block

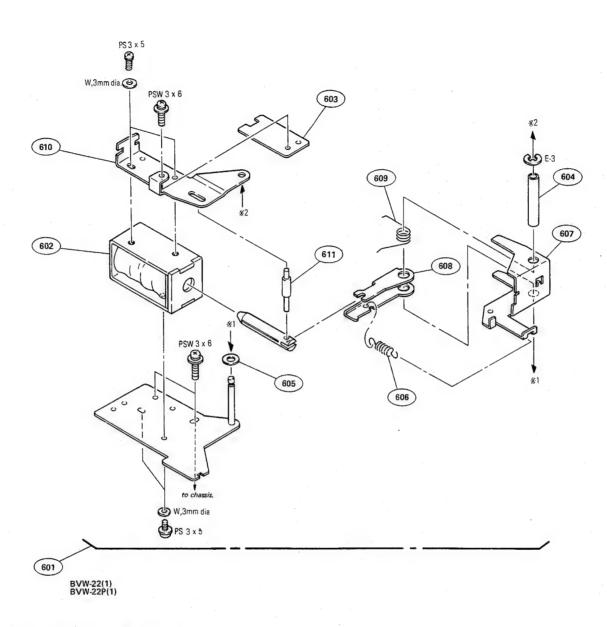




No. Parts No. SP Description 501 A-6742-061-A s ARM ASS'Y, S TENSION X-3675-851-0 s ROLLER ASS'Y, TR 503 X-3717-218-1 o ARM ASS'Y, RETURN 504 X-3717-219-1 o HOOK ASS'Y, TENSION REGULATOR 505 X-3717-220-1 o ARM ASS'Y, TENSION REGULATOR 506 1-611-279-13 o PRINTED CIRCUIT BOARD, TR-18 507 2-618-901-00 o SPRING 508 3-437-173-02 o SCREW, HEAD ADJUSTING 509 3-653-350-00 s SPRING, COMPRESSION 510 3-675-872-00 o SPRING, LEAF 511 3-675-885-02 o PLATE, SHIELD, T-DME 512 3-677-749-03 s RETAINER, B 513 3-677-752-00 s NUT, ADJUSTMENT, T 514 3-680-830-01 s HOLDER, DME 515 3-680-831-00 o COLLAR, DME 516 3-680-860-01 s SPRING, TENSION (POWER TENSION) 517 3-717-253-01 s ROLLER 518 3-717-276-01 o PROTECTOR 519 3-717-277-01 o PLATE, ADJUSTMENT, RETURN 520 3-717-278-01 o BRACKET, TR

Pinch Press Mechanism Block

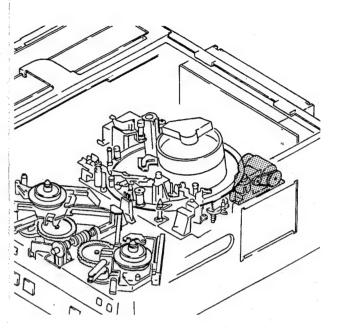




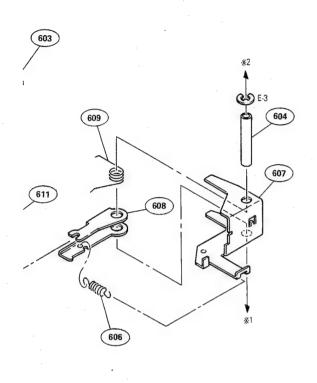
601 A-6749-117-A o PRESS ASS'Y, PINCH
602 1-454-338-00 s SOLENOID, PLUNGER
603 1-622-596-11 o PRINTED CIRCUIT BOARD, PD-35
604 3-653-382-01 o SPACER (4 x 25)
605 3-701-441-21 s WASHER POLY, 4MM DIA. 0.5T

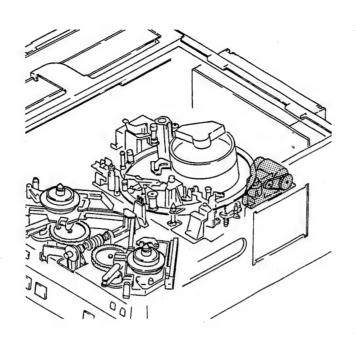
606 3-701-788-XX s SPRING, TEMSION (12T)
607 3-717-246-01 o LEVER, PRESS, P
608 3-717-247-01 o LIMITER, P
609 3-717-248-01 o SPRING
610 3-717-249-01 o STOPPER, P
611 3-717-250-01 o SHAFT, JOINT, P

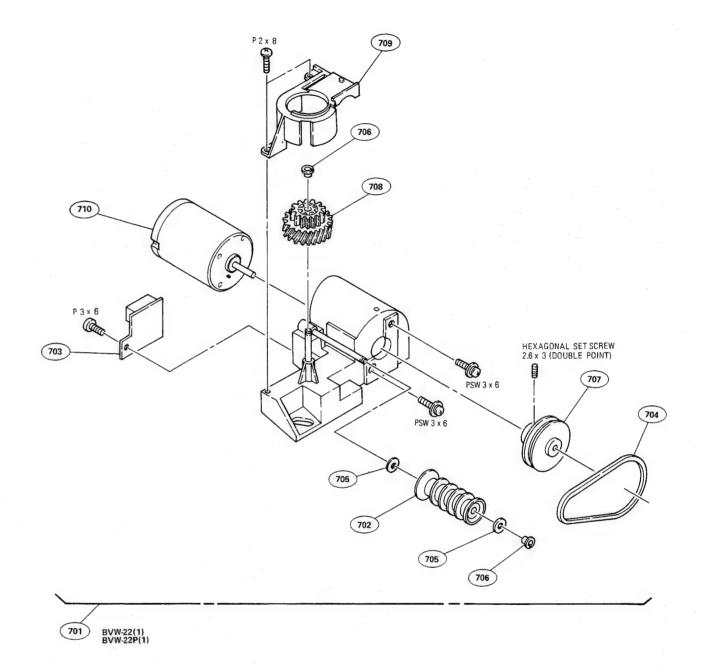
Gear Box Block



ROX







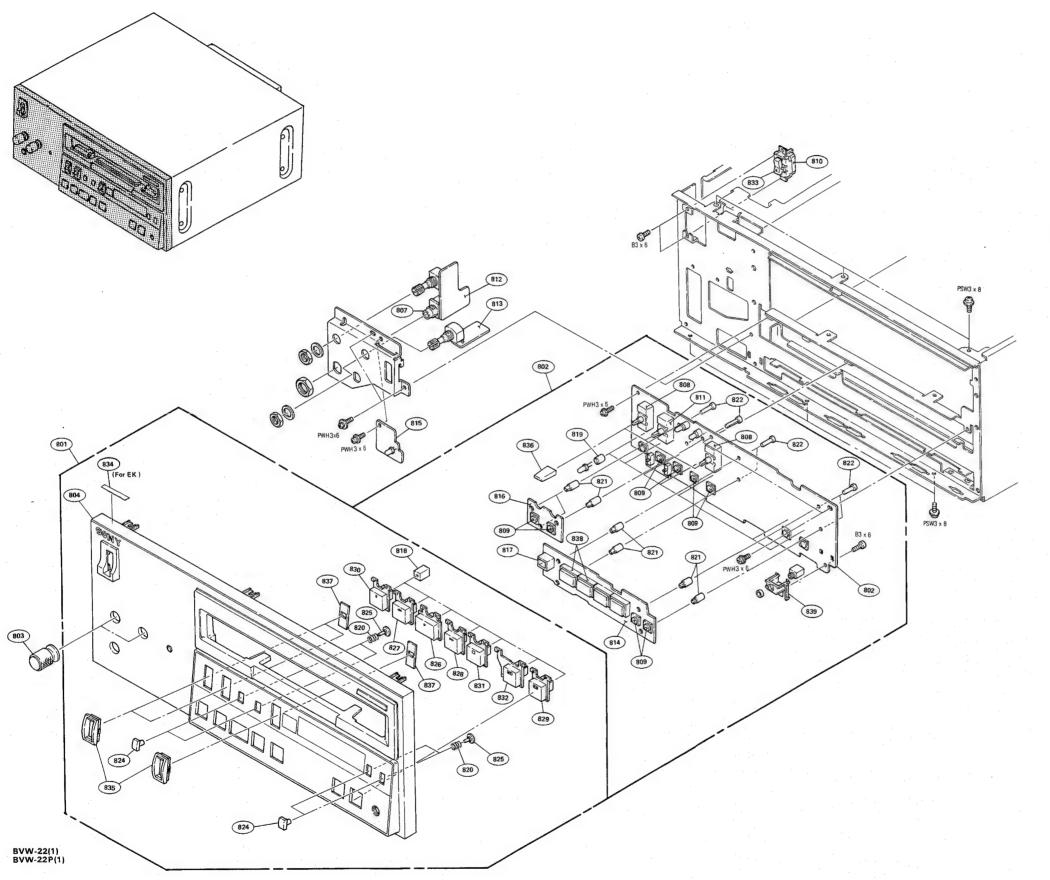
No. Parts No. SP Description

701 A-6750-213-A s BOX ASS'Y, GEAR
702 X-3717-214-2 s WORM ASS'Y
703 1-622-607-11 o PRINTED CIRCUIT BOARD, PTC-31
704 3-688-066-01 s BELT, LM
705 3-701-439-21 s WASHER POLY 3MM DIA. 0.5T

706 3-703-074-00 s CAP 3, SHAFT
707 3-717-261-01 o PULLEY, MOTOR
708 3-717-262-02 s GEAR, DRIVE
709 3-717-550-01 o COVER, GEAR BOX
710 8-835-179-01 s MOTOR, DC MCB2B15

SC

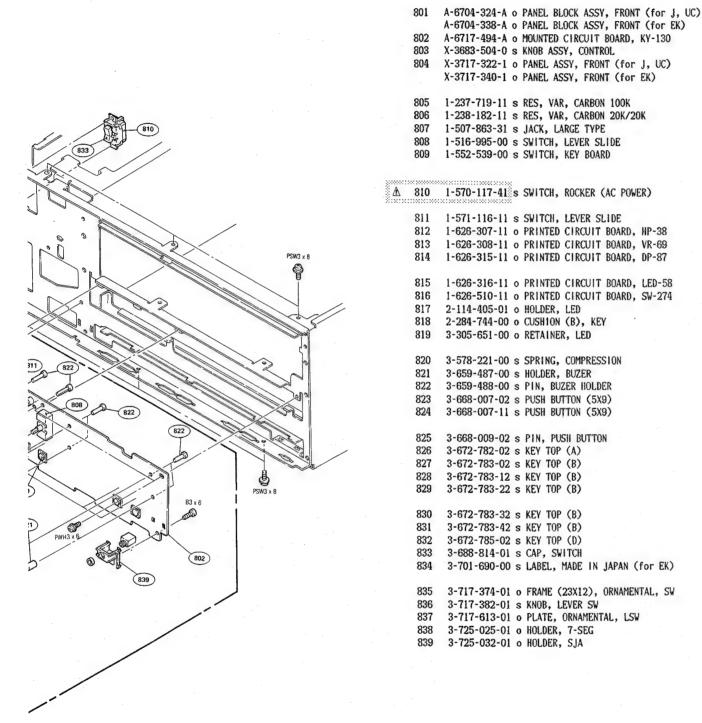
Function Control Panel Block

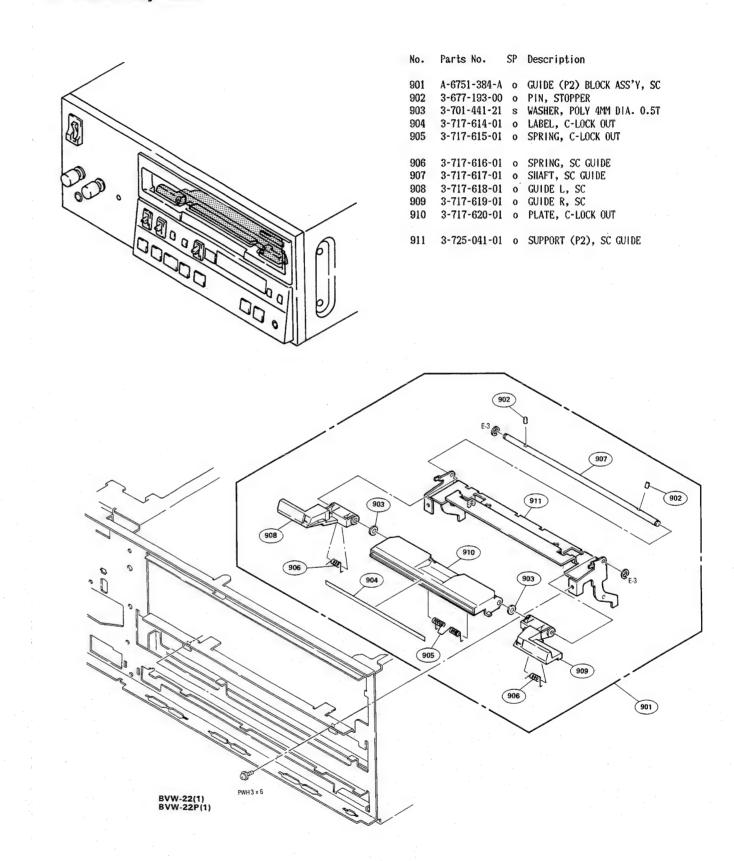


No. Parts No. SP Description A-6704-324-A o PANEL BLOCK ASSY, FRONT (for J, UC) A-6704-338-A o PANEL BLOCK ASSY, FRONT (for EK) A-6717-494-A o MOUNTED CIRCUIT BOARD, KY-130 X-3683-504-0 s KNOB ASSY, CONTROL X-3717-322-1 o PANEL ASSY, FRONT (for J, UC) X-3717-340-1 o PANEL ASSY, FRONT (for EK) 1-237-719-11 s RES, VAR, CARBON 100K 1-238-182-11 s RES, VAR, CARBON 20K/20K 807 1-507-863-31 s JACK, LARGE TYPE 808 1-516-995-00 s SWITCH, LEVER SLIDE 1-552-539-00 s SWITCH, KEY BOARD △ 810 1-570-117-41 s SWITCH, ROCKER (AC POWER) 1-571-116-11 s SWITCH, LEVER SLIDE 811 1-626-307-11 o PRINTED CIRCUIT BOARD, HP-38 812 1-626-308-11 o PRINTED CIRCUIT BOARD, VR-69 1-626-315-11 o PRINTED CIRCUIT BOARD, DP-87 814 1-626-316-11 o PRINTED CIRCUIT BOARD, LED-58 1-626-510-11 o PRINTED CIRCUIT BOARD, SW-274 2-114-405-01 o HOLDER, LED 818 2-284-744-00 o CUSHION (B), KEY 3-305-651-00 o RETAINER, LED 820 3-578-221-00 s SPRING, COMPRESSION 821 3-659-487-00 s HOLDER, BUZER 3-659-488-00 s PIN, BUZER HOLDER 3-668-007-02 s PUSH BUTTON (5X9) 823 3-668-007-11 s PUSH BUTTON (5X9) 3-668-009-02 s PIN, PUSH BUTTON 826 3-672-782-02 s KEY TOP (A) 827 3-672-783-02 s KEY TOP (B) 828 3-672-783-12 s KEY TOP (B) 3-672-783-22 s KEY TOP (B) 3-672-783-32 s KEY TOP (B) 830 831 3-672-783-42 s KEY TOP (B) 3-672-785-02 s KEY TOP (D) 832 833 3-688-814-01 s CAP, SWITCH 3-701-690-00 s LABEL, MADE IN JAPAN (for EK) 3-717-374-01 o FRAME (23X12), ORNAMENTAL, SW 836 3-717-382-01 s KNOB, LEVER SW 837 3-717-613-01 o PLATE, ORNAMENTAL, LSW 838 3-725-025-01 o HOLDER, 7-SEG 3-725-032-01 o HOLDER, SJA

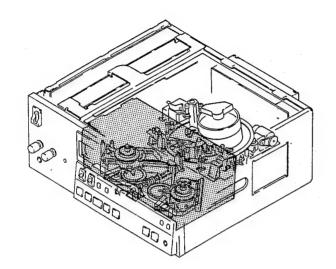
No. Parts No. SP Description

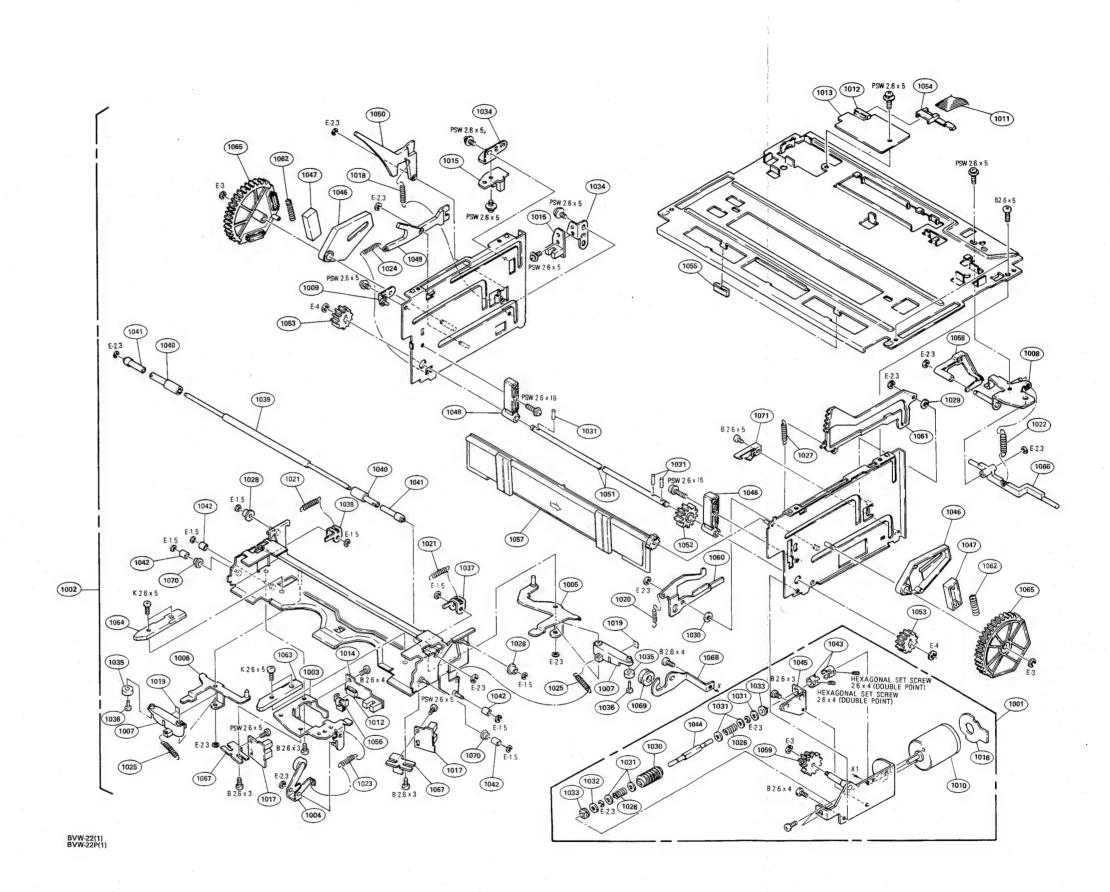
SC Guide Assy Block

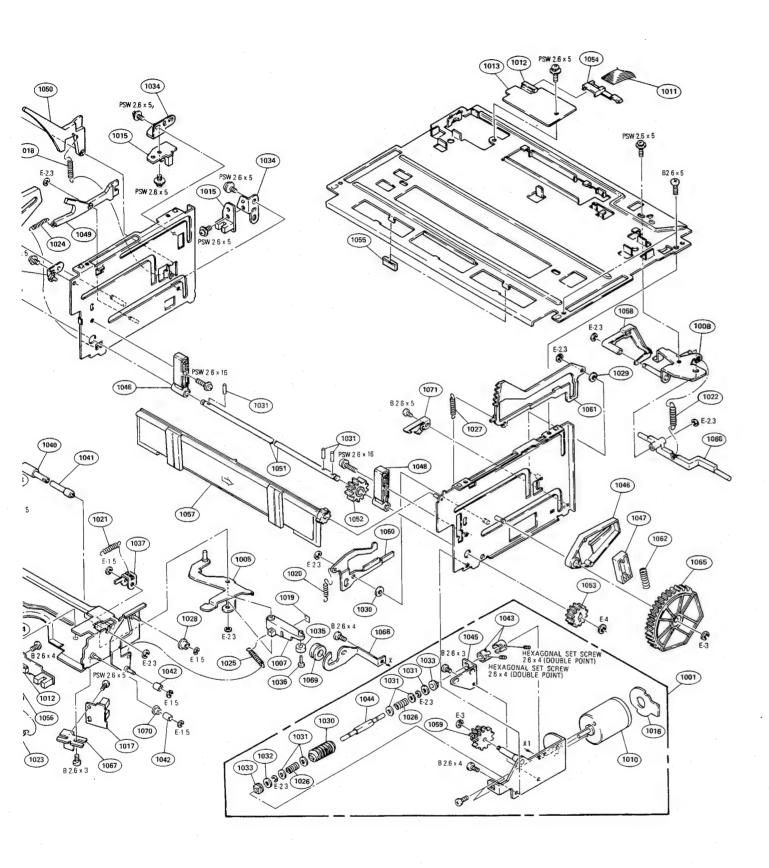




Cassette-up Compartment







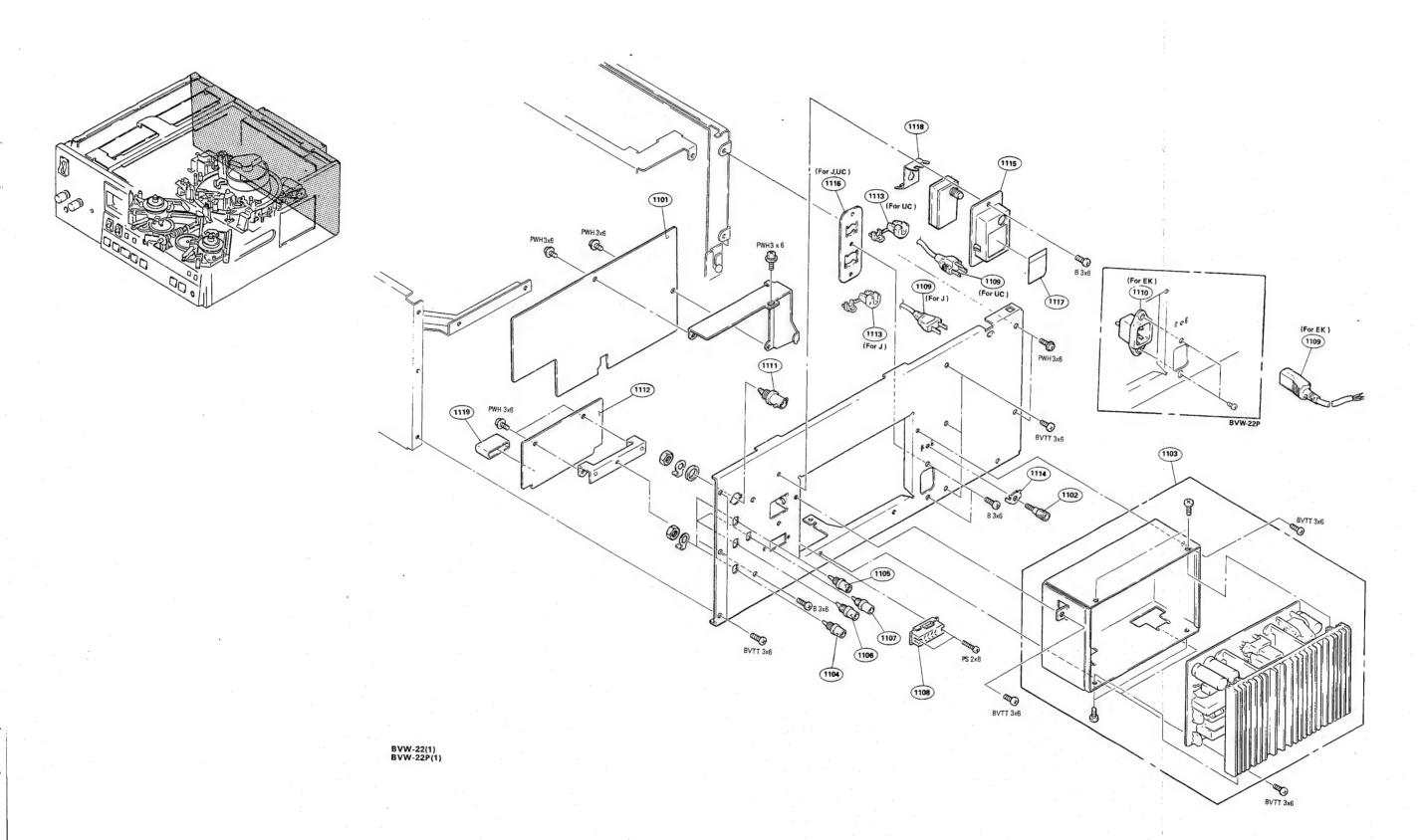
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Parts No. SP Description
1001 A-6737-178-A s MOTOR BLOCK ASS'Y
1002 A-6751-383-B s CASSETTE COMPARTMENT ASS'Y
1003 X-3717-360-1 o DECK ASS'Y, ARM
1004 X-3717-231-1 o ARM ASS'Y, LS
1005 X-3717-359-1 o ARM (RIGHT) ASS'Y, CASSETTE IN
1006 X-3717-362-1 o ARM (LEFT) ASS'Y, CASSETTE IN
1007 X-3717-361-1 o ARM ASS'Y, PUSH OUT
1008 X-3717-235-1 o CHASSIS ASS'Y, LID OPEN LEVER
1009 X-3717-236-1 o BRACKET ASS'Y, DOOR
1010 1-541-376-11 o MOTOR, DC (DNR-4700A)
1011 1-559-265-11 o WIRE, FLEXIBLE CARD
1012 1-563-969-11 o CONNECTOR, F.P.C, 7P
1013 1-622-602-11 o PRINTED CIRCUIT BOARD, CL-14
1014 1-628-786-11 o PRINTED CIRCUIT BOARD, PC-47
1015 1-622-604-11 o PRINTED CIRCUIT BOARD, PC-33
1016 1-623-198-11 o PRINTED CIRCUIT BOARD, CCM-2
1017 1-623-267-11 o PRINTED CIRCUIT BOARD, PC-41
1018 3-140-263-XX s SPRING, TENSION (23T)
1019 3-329-460-01 o SPACER
1020 3-437-284-00 s SPRING, TENSION
1021 3-489-325-XX s SPRING, TENSION (16T)
1022 3-491-360-00 S SPRING, TENSION
1023 3-509-127-00 s SPRING, TENSION
1024 3-531-863-01 s SPRING, TENSION
1025 3-578-389-00 s SPRING, TENSION
1026 3-659-324-00 s SPRING, COMPRESSION
1027 3-668-508-00 s SPRING, TENSION
1028 3-677-187-00 s ROLLER, GUIDE
1029 3-701-439-21 s WASHER POLY 3MM DIA. 0.5T
1030 3-717-210-01 s WORM
1031 3-717-212-01 o WASHER (B), WORM
1032 3-717-213-01 o WASHER (A), WORM
1033 3-717-214-01 o BEARING, WORM
1034 3-717-339-01 o BRACKET, PHOTO
1035 3-717-344-01 o ROLLER, PUSH OUT
1036 3-717-345-01 o SHAFT, PUSH OUT ROLLER
1037 3-717-346-01 o ARM (RIGHT), CASSETTE PRESS
1038 3-717-347-01 o ARM (LEFT), CASSETTE PRESS
1039 3-717-348-03 o SHAFT, PRESS ROLLER
1040 3-717-349-01 o ROLLER (S), PRESS
1041 3-717-350-01 o ROLLER (L), PRESS
1042 3-717-351-01 o ROLLER (B), GUIDE
1043 3-717-352-01 o JOINT, MOTOR
1044 3-717-353-01 o SHAFT, WORM
1045 3-717-354-01 o BRACKET, WORM
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1046 3-717-355-01 o ARM, DRIVING
1047 3-717-356-01 o SLIDER, ARM DRIVING
1048 3-717-359-01 o BEARING, DRIVING GEAR
1049 3-717-361-01 o ARM (1), DOWN SW
1050 3-717-362-02 o ARM (2), DOWN SW
1051 3-717-363-01 o SHAFT, JOINT
1052 3-717-364-01 s GEAR, JOINT
1053 3-717-365-01 s GEAR, JOINT DRIVING
1054 3-717-368-01 o HOLDER (B), F.P.C
1055 3-717-369-03 o STOPPER, DOOR
1056 3-717-421-02 o HOLDER (A), F.P.C
1057 3-717-435-04 o DOOR, CASSETTE
1058 3-717-453-01 s LEVER, LID OPEN
1059 3-717-454-01 o WHEEL, WORM
1060 3-717-455-04 o ARM, DOOR SWITCHING ASSIST
1061 3-717-457-01 o ARM, DOOR SWITCHING
1062 3-717-458-01 s SPRING, COMPRESSION
1063 3-717-460-03 o GUIDE (RIGHT), CASSETTE
1064 3-717-461-03 o GUIDE (LEFT), CASSETTE
1065 3-717-475-01 s GEAR, DRIVING
1066 3-717-584-01 s LEVER (B), LID OPEN
1067 3-717-585-01 o BRACKET (B), PHOTO
1068 3-717-597-01 o JOINT, PLATE
1069 3-717-598-01 o JOINT, BEARING
1070 3-717-599-01 s ROLLER (C), GUIDE
1071 3-727-017-02 o PLATE, GROUND
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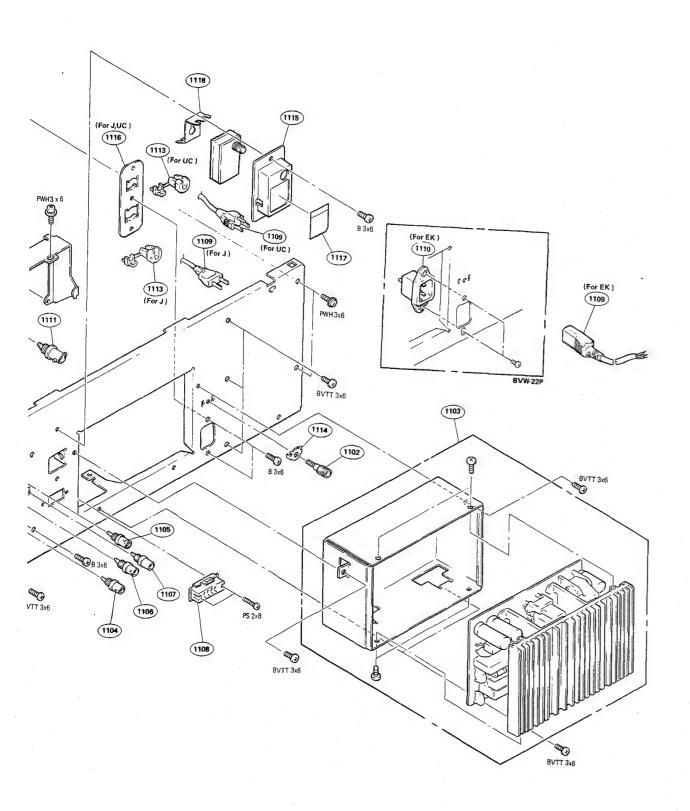
No. Parts No. SP Description

REAR

Rear Panel Block



17-24



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No. Parts No. SP Description
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1101 A-6723-367-A o MOUNTED CIRCUIT BOARD, DC-36 1102 X-2068-004-O s TERMINAL ASSY

△ 1103 1-413-248-11 s SWITCHING REGULATOR, UR-14 (for J, UC) 1-413-249-12 s SWITCHING REGULATOR, UR-14E (for EK)

1104 1-507-858-21 o JACK, PIN 1P

1105 1-507-858-31 o JACK, PIN 1P

1106 1-507-858-41 o JACK, PIN 1P

1107 1-507-858-51 o JACK, PIN 1P

1108 1-509-095-00 s SOCKET, MULTI (8P)

⚠ 1109 1-534-517-00 s CORD, AC (for UC)

1-551-188-XX s CORD, POWER (for J)

1-556-760-11 s CORD, POWER (for EK)

1110 1-560-222-11 s 3P INLET (for EK)

1111 1-561-781-11 s CONNECTOR, BNC (RECEPTACLE)

1112 1-626-309-11 o PRINTED CIRCUIT BOARD, AC-93 (for J, UC) 1-626-309-21 o PRINTED CIRCUIT BOARD, AC-93A (for EK)

↑ 1113 2-045-063-00 s STOPPER, CORD (for UC) 4-500-165-00 s STOPPER, CODE (for J)

1114 2-068-008-00 s WASHER

1115 3-725-021-01 o COVER, RF

1116 3-725-022-01 o PLATE, AC (for J, UC)

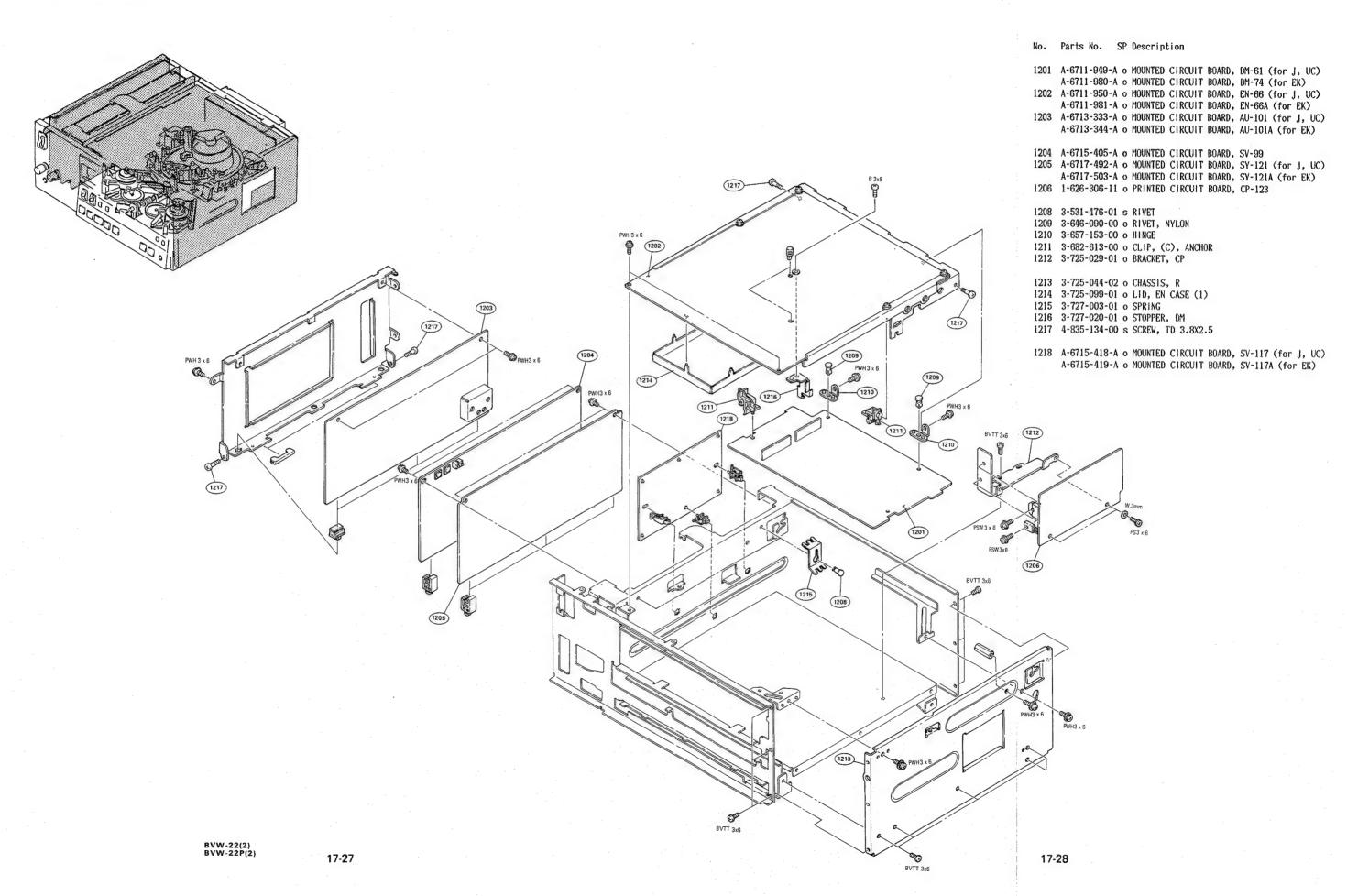
1117 3-725-024-11 o SHEET, CH (for UC)

3-725-024-01 o SHEET, CH (for J) 3-725-024-21 o SHEET, CH (for EK)

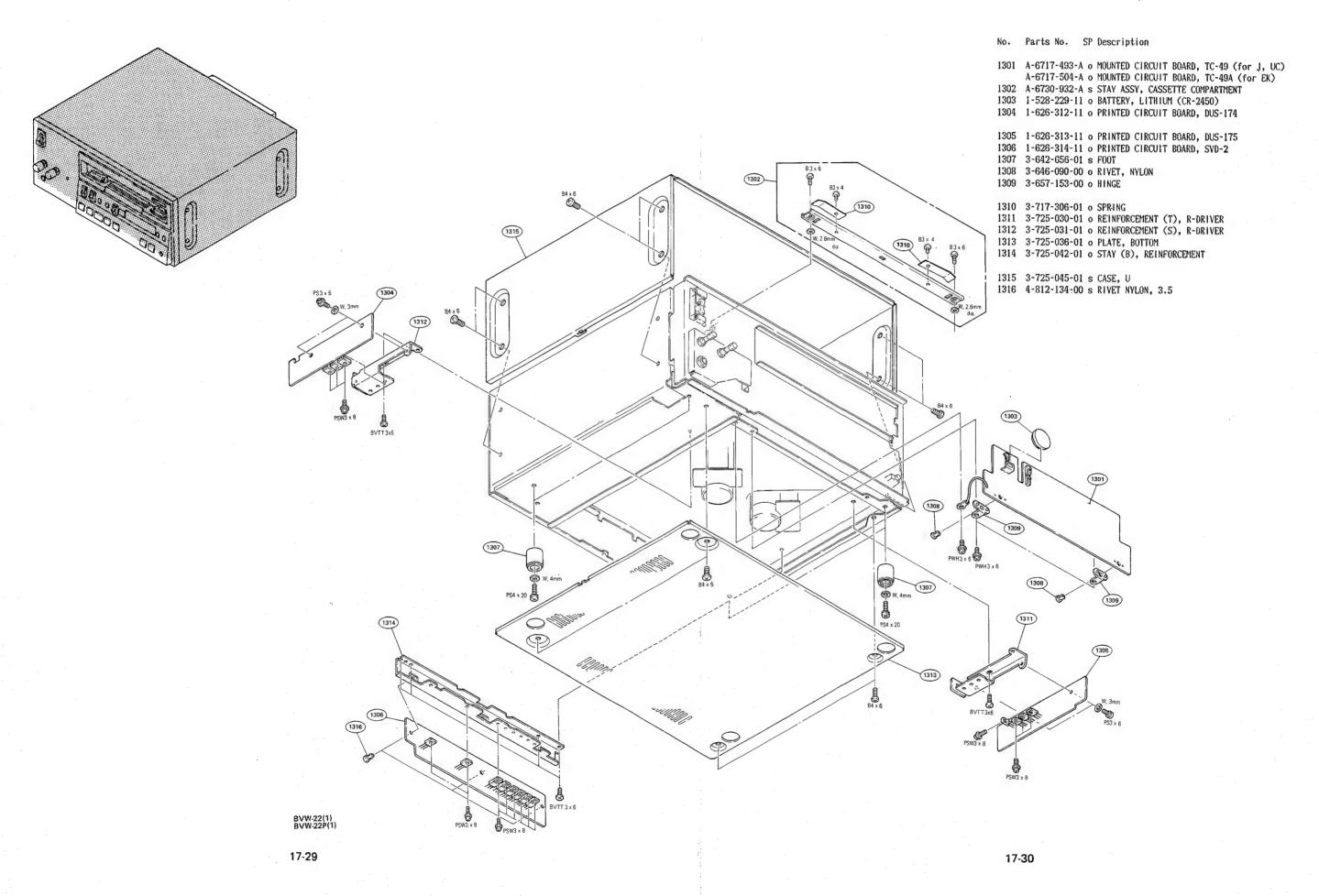
1118 3-727-003-01 o SPRING

1119 4-601-472-00 o COVER, FUSE

Printed Circuit Block



Printed Circuit and Ornamental Panel



17-3. ELECTRICAL PARTS LIST

CAPACITOR, ELECTROLYTIC

Part No.	SP	Descr	iption		
1-124-902-00	s	CAP,	ELECT	0.47	20% 50V
1-124-791-11	s	CAP,	ELECT	1.0	20% 100V
1-124-925-11	s	CAP,	ELECT	2.2	20% 100V
1-123-382-00		CAP,		3.3	20% 100V
1-124-927-00		CAP,	ELECT	4.7	20% 100V
1-124-021 00	3				
1-123-875-91	S	CAP,		10	20% 50V
1-124-915-11		CAP,	ELECT	10	20% 63V 20% 100V
1-124-667-11	S	CAP,	ELECT	10	20% 100V 20% 50V
1-124-908-11	S	CAP,	ELECT	22	
1-124-916-11	S	CAP,	ELECT	22	20% 63V
1-124-929-11	s	CAP,	ELECT	22	20% 100V
1-124-963-11	S	CAP,	ELECT	33	20% 16V
1-124-482-11	s	CAP,	ELECT	33	20% 35V
1-124-917-11	S	CAP,	ELECT	33	20% 63V
1-124-930-11		CAP,	ELECT	33	20% 100V
			D1 000	45	000 101/
1-124-446-11		CAP,		47	20% 10V
1-124-477-11			ELECT	47	20% 25V
1-124-910-11		CAP,		47	20% 50V
1-124-918-11	S	CAP,		47	20% 63V
1-124-931-11	s	CAP,	ELECT	47	20% 100V
1-124-443-00) s	CAP.	ELECT	100	20% 10V
1-126-101-1			ELECT	100	20% 16V
1-124-478-1				100	20% 25V
1-124-122-1		CAP,		100	20% 50V
1-124-572-1				100	20% 63V
1-123-605-0	0 s	CAP,	ELECT	100	20% 100V
1-124-444-0		CAP,	ELECT	220	20% 10V
1-124-120-1		CAP,	ELECT	220	20% 25V
1-124-484-1		CAP	ELECT	220	20% 35V
1-124-911-1		CAP,	ELECT	220	20% 50V
1-124-919-5	1 s	CAP	. ELECT	220	20% 63V
1-124-628-1				220	
1-124-626-1				330	
1-124-442-0	0 s			330	
1-124-004-0				330	
1-124-119-0	0 5			500	200 101
1-124-479-1		CAP		330	
1-124-485-1				330	
1-124-912-1		~	, ELECT	330 470	
1-124-472-1			, ELECT		
1-124-475-1	11 8	s CAP	, ELECT	470	20% 104
1-124-480-1		CAP	, ELECT		20% 25V
1-126-104-1			, ELECT	470	20% 35V
1-124-913-1			, ELECT		
1-124-921-			, ELECT		
1-124-471-0	00 :	s CAP	, ELECT	100	00 20% 6.3V
1-124-473-			, ELECT		00 20% 10V
1-124-555-		s CAP			00 20% 16V
1-124-557-			, ELECT		00 20% 25V
1-126-105-			, ELECT	-	00 20% 35V
1-124-637-	11	s CAF	, ELECT	100	00 20% 50V
1-124-922-	11	s CAI	P, ELECT	10	00 20% 63V
1-124-893-			P, ELECT		00 20% 10V
1-124-556-			P, ELECT		00 20% 16V
1-124-563-			P, ELECT		00 20% 25V
1-124-618-			P, ELECT		00 20% 35V
			,		

(CAPACITOR, ELECTROLYTIC)

Part No.	SP	Description	
1-124-607-11	s	CAP, ELECT 2200 20% 50	V
1-124-621-11	s	CAP, ELECT 3300 20% 6.3	٧
1-124-887-00	s	CAP, ELECT 3300 20% 16	٧
1-124-636-00	S	CAP, ELECT 3300 20% 25	۷
1-124-762-00	s	CAP, ELECT 4700 20% 10	٧
1-124-898-11	s	CAP, ELECT 4700 20% 16	١V
1-124-564-11	S	CAP, ELECT 4700 20% 25	٧
1-124-891-11	s	CAP, ELECT 10000 20% 6.3	3
1-124-763-00	s	CAP, ELECT 10000 20% 10	V

CAPACITOR, MYLAR

Part No.	SP	Description
1-130-467-00	s	CAP, MYLAR 470pF 5% 50V
1-130-468-00	S	CAP, MYLAR 560pF 5% 50V
1-130-469-00	S	CAP, MYLAR 680pF 5% 50V
1-130-470-00	S	CAP. MYLAR 820pF 5% 50V
1-130-471-00	s	CAP, MYLAR 1000pF 5% 50V
1 100 111 00	•	5/11 / WEAR 1000PI 0/4 001
1-130-472-00	s	CAP, MYLAR 1200pF 5% 50V
1-130-473-00	S	CAP, MYLAR 1500pF 5% 50V
1-130-474-00	s	CAP, MYLAR 1800pF 5% 50V
1-130-475-00	s	CAP, MYLAR 2200pF 5% 50V
1-130-476-00	S	CAP, MYLAR 2700pF 5% 50V
1-130-477-00	s	CAP, MYLAR 3300pF 5% 50V
1-130-478-00	s	CAP, MYLAR 3900pF 5% 50V
1-130-479-00	s	CAP, MYLAR 4700pF 5% 50V
1-130-480-00	s	CAP, MYLAR 5600pF 5% 50V
1-130-481-00	s	CAP, MYLAR 6800pF 5% 50V
1-130-482-00	s	CAP, MYLAR 8200pF 5% 50V
1-130-483-00	s	CAP, MYLAR 0.01 5% 50V
1-130-484-00	s	CAP, MYLAR 0.012 5% 50V
1-130-485-00	s	CAP, MYLAR 0.015 5% 50V
1-130-486-00	S	CAP, MYLAR 0.018 5% 50V
1-130-487-00	S	CAP, MYLAR 0.022 5% 50V
1-130-488-00	s	CAP, MYLAR 0.027 5% 50V
1-130-489-00	S	CAP, MYLAR 0.033 5% 50V
1-130-490-11	s	CAP, MYLAR 0.039 5% 50V
1-130-491-00	S	CAP, MYLAR 0.047 5% 50V
1 100 400 11	_	CAP. MYLAR 0.056 5% 50V
1-130-492-11	S	
1-130-493-00	S	,
1-130-494-11	S	CAP, MYLAR 0.082 5% 50V
1-130-495-00	S	CAP, MYLAR 0.1 5% 50V
1-130-496-00	S	CAP, MYLAR 0.12 5% 50V
1-130-497-00	s	CAP, MYLAR 0.15 5% 50V
1-130-491-00	S	CAP. MYLAR 0.18 5% 50V
1-130-499-00	S	CAP, MYLAR 0.22 5% 50V
1-136-502-11	S	CAP, MYLAR 0.33 5% 50V
1 100 002 11		OH , ITEM 0.00 . 00 001

CAPACITOR, CHIP CERAMIC

Part No.	SP	Description	
1-163-083-00	\$	CAP, CHIP CERAMIC 1pF +-0.25pF 50	V
1-163-085-00	S	CAP, CHIP CERAMIC 2pF +-0.25pF 50	۷
1-163-087-00	s	CAP, CHIP CERAMIC 4pF +-0.25pF 50V	٧
1-163-089-00	S	CAP, CHIP CERAMIC 6pF +-0.5pF 50V	
1-163-091-00	s	CAP, CHIP CERAMIC 8pF +-0.5pF 50V	
1-163-093-00	s	CAP, CHIP CERAMIC 10pF 5% 50V	
1-163-097-00	S	CAP, CHIP CERAMIC 15pF 5% 50V	
1-163-101-00	s	CAP, CHIP CERAMIC 22pF 5% 50V	
1-163-105-00	S	CAP, CHIP CERAMIC 33pF 5% 50V	
1-163-109-00	s	CAP, CHIP CERAMIC 47pf 5% 50V	
1-163-113-00	s	CAP, CHIP CERAMIC 68pF 5% 50V	
1-163-117-00	s	CAP, CHIP CERAMIC 100pf 5% 50V	
1-163-121-00	S	CAP, CHIP CERAMIC 150pF 5% 50V	
1-163-125-00	s	CAP, CHIP CERAMIC 220pF 5% 50V	
1-163-129-00	s	CAP, CHIP CERAMIC 330pF 5% 50V	
1-163-133-00	s	CAP, CHIP CERAMIC 470pF 5% 50V	
1-163-137-00	s	CAP, CHIP CERAMIC 680pF 5% 50V	
1-163-141-00	s	CAP, CHIP CERAMIC 1000pF 5% 50V	
1-163-145-00	S	CAP, CHIP CERAMIC 1500pF 10% 50V	
1-163-013-00	S	CAP, CHIP CERAMIC 2200pF 10% 50V	
1-163-015-00	s	CAP, CHIP CERAMIC 3300pF 10% 50V	
1-163-017-00	S	CAP, CHIP CERAMIC 4700pF 10% 50V	
1-163-019-00	S	CAP, CHIP CERAMIC 6800pF 10% 50V	
1-163-021-00	S	CAP, CHIP CERAMIC 0.01 10% 50V	
1-163-023-00	S	CAP, CHIP CERAMIC 0.015 10% 50V	
1-163-034-00	s	CAP, CHIP CERAMIC 0.033 50V	
1-163-035-00	S	CAP. CHIP CERAMIC 0.047 50V	
1-163-036-00	S	CAP, CHIP CERAMIC 0.068 50V	
1-163-038-00	S	CAP, CHIP CERAMIC 0.1 50V	

RESISTOR, METAL

(RESISTOR, METAL)

Part No. SP Des	scription		Part No.	SP	Description	
1-215-373-31 s RES	S, METAL 10	1% 1/6W	1-215-428-00	s	RES, METAL	2.0k 1% 1/6W
1-215-374-00 s RES	S, METAL 11	1% 1/6W	1-215-429-00	S	RES, METAL	2.2k 1% 1/6W
1-215-375-00 s RES	S, METAL 12	1% 1/6W	1-215-430-00	S	RES, METAL	2.4k 1% 1/6W
	S, METAL 13	1% 1/6W	1-215-431-00	s		2.7k 1% 1/6W
	S, METAL 15	1% 1/6W	1-215-432-00	s		3.0k 1% 1/6W
1 210 011 00 0 1121	2, 1121110 10	2.0 2.7 0.11	1 210 102 00	•	nes, nome	0.0K 1% 17 0W
1-215-378-00 s RES	S, METAL 16	1% 1/6W	1-215-433-00	s	RES, METAL	3.3k 1% 1/6W
	S, METAL 18	1% 1/6W	1-215-434-00	S	RES, METAL	3.6k 1% 1/6W
	S, METAL 20	1% 1/6W	1-215-435-00	S	RES, METAL	3.9k 1% 1/6W
	S, METAL 22	1% 1/6W	1-215-436-00		RES, METAL	4.3k 1% 1/6W
1-215-382-00 s RES	S, METAL 24	1% 1/6W	1-215-437-00	S	RES, METAL	4.7k 1% 1/6W
1-215-202-00 - DEG	METH 97	1% 1/6W 1% 1/6W 1% 1/6W 1% 1/6W	1 215 420 00		DEC HOTAL	F 11, 19, 17011
	S, METAL 27	1/6 1/OW	1-215-438-00	S	RES, METAL	5.1k 1% 1/6W
	S, METAL 30	1% 1/6W	1-215-439-00	S		5.6k 1% 1/6W
	S, METAL 33	1% 1/6W	1-215-440-00	S		6.2k 1% 1/6W
	S, METAL 36		1-215-441-00	S		6.8k 1% 1/6W
1-215-387-00 s RES	S, METAL 39	1% 1/6W	1-215-442-00	S	RES, METAL	7.5k 1% 1/6W
	S, METAL 43	1% 1/6W	1-215-443-00			8.2k 1% 1/6W
	S, METAL 47	1% 1/6W	1-215-444-00	S		9.1k 1% 1/6W
-	S, METAL 51	1% 1/6W	1-215-445-00	S	RES, METAL	10k 1% 1/6W
1-215-391-00 s RES	S, METAL 56	1% 1/6W	1-215-446-00	S	RES, METAL	11k 1% 1/6W
1-215-392-00 s RES	S, METAL 62	1% 1/6W	1-215-447-00	S	RES, METAL	12k 1% 1/6W
1-215-393-00 s RES	S, METAL 68	1% 1/6W	1-215-448-00	S	RES, METAL	13k 1% 1/6W
1-215-394-00 s RES	S, METAL 75	1% 1/6W	1-215-449-00	S	RES, METAL	15k 1% 1/6W
1-215-395-00 s RES	, METAL 82	1% 1/6W	1-215-450-00	S	RES, METAL	16k 1% 1/6W
1-215-396-00 s RES	S, METAL 91	1% 1/6W	1-215-451-00	S	RES, METAL	18k 1% 1/6W
1-215-397-00 s RES	S, METAL 100	1% 1/6W	1-215-452-00	s	RES, METAL	20k 1% 1/6W
					,	
1-215-398-00 s RES	5, METAL 110	1% 1/6W	1-215-453-00	S	RES, METAL	22k 1% 1/6W
	5, METAL 120	1% 1/6W	1-215-454-00		RES, METAL	24k 1% 1/6W
	S, METAL 130	1% 1/6W	1-215-455-00	S	RES, METAL	27k 1% 1/6W
	METAL 150	1% 1/6W	1-215-456-00	-	RES, METAL	30k 1% 1/6W
	METAL 160	1% 1/6W	1-215-457-00			33k 1% 1/6W
	,			•	nady name	0011 170 17 OII
1-215-403-00 s RES	5, METAL 180	1% 1/6W	1-215-458-00	s	RES, METAL	36k 1% 1/6W
	S, METAL 200	1% 1/6W	1-215-459-00	S	RES, METAL	39k 1% 1/6W
	METAL 220	1% 1/6W	1-215-460-00	S	RES, METAL	43k 1% 1/6W
1-215-406-00 s RES	, METAL 240	1% 1/6W	1-215-461-00		RES, METAL	47k 1% 1/6W
	5, METAL 270	1% 1/6W	1-215-462-00		RES, METAL	51k 1% 1/6W
					,	
1-215-408-00 s RES	S, METAL 300	1% 1/6W	1-215-463-00	s	RES, METAL	56k 1% 1/6W
1-215-409-00 s RES	S, METAL 330	1% 1/6W	1-215-464-00	S	RES, METAL	62k 1% 1/6W
1-215-410-00 s RES	S, METAL 360	1% 1/6W	1-215-465-00	S	RES, METAL	68k 1% 1/6W
1-215-411-00 s RES	S, METAL 390	1% 1/6W	1-215-466-00			75k 1% 1/6W
1-215-412-00 s RES		1% 1/6W	1-215-467-00		RES, METAL	82k 1% 1/6W
1-215-413-00 s RES	, METAL 470	1% 1/6W	1-215-468-00	S	RES, METAL	91k 1% 1/6W
	, METAL 510	1% 1/6W	1-215-469-00	S	RES, METAL	100k 1% 1/6W
	, METAL 560	1% 1/6W	1-215-470-00	s	RES, METAL	110k 1% 1/6W
1-215-416-00 s RES	5, METAL 620	1% 1/6W	1-215-471-00	S	RES, METAL	120k 1% 1/6W
	, METAL 680	1% 1/6W	1-215-472-00	S	RES, METAL	130k 1% 1/6W
	5, METAL 750	1% 1/6W	1-215-473-00	s	RES, METAL	150k 1% 1/6W
	6, METAL 820	1% 1/6W	1-215-474-00	S	RES, METAL	160k 1% 1/6W
		1% 1/6W	1-215-475-00	S	RES, METAL	180k 1% 1/6W
		1% 1/6W	1-215-476-00	S	RES, METAL	200k 1% 1/6W
1-215-422-00 s RES	S, METAL 1.1k	1% 1/6W	1-215-477-00	S	RES, METAL	220k 1% 1/6W
1 DIF 400 00	A APPRIL	18 1 (01)			P.00	
		1% 1/6W	1-215-478-00			240k 1% 1/6W
		1% 1/6W	1-215-479-00	S	RES, METAL	270k 1% 1/6W
		1% 1/6W	1-215-480-00	S	RES, METAL	300k 1% 1/6W
		1% 1/6W	1-215-481-00	S	RES, METAL	330k 1% 1/6W
1-215-427-00 s RES	S, METAL 1.8k	1% 1/6W	1-215-482-00	S	RES, METAL	360k 1% 1/6W

(RESISTOR, METAL)

Part No. SP Description

1-215-483-00 s RES, METAL 390k 1% 1/6W 1-215-484-00 s RES, METAL 430k 1% 1/6W 1-215-485-00 s RES, METAL 470k 1% 1/6W 1-215-486-00 s RES, METAL 510k 1% 1/6W 1-215-487-00 s RES, METAL 560k 1% 1/6W 1-215-489-00 s RES, METAL 620k 1% 1/6W 1-215-490-00 s RES, METAL 680k 1% 1/6W 1-215-491-00 s RES, METAL 750k 1% 1/6W 1-215-492-00 s RES, METAL 910k 1% 1/6W 1-215-493-00 s RES, METAL 910k 1% 1/6W 1-215-493-00 s RES, METAL 1.0M 1% 1/6W

RESISTOR, CHIP

Part No. SP Description 1-216-295-00 s RES, CHIP 0 5% 1/10W 1-216-298-00 s RES, CHIP 2.2 5% 1/10W 1-216-302-00 s RES, CHIP 2.7 5% 1/10W 1-216-304-00 s RES, CHIP 3.3 5% 1/10W 1-216-306-00 s RES, CHIP 3.9 5% 1/10W 1-216-308-00 s RES, CHIP 4.7 5% 1/10W 1-216-309-00 s RES, CHIP 5.6 5% 1/10W 1-216-311-00 s RES, CHIP 6.8 5% 1/10W 1-216-313-00 s RES, CHIP 8.2 5% 1/10W 1-216-001-00 s RES, CHIP 10 5% 1/10W 1-216-003-00 s RES, CHIP 12 5% 1/10W 1-216-005-00 s RES, CHIP 15 5% 1/10W 1-216-007-00 s RES, CHIP 18 5% 1/10W 1-216-009-00 s RES, CHIP 22 5% 1/10W 1-216-011-00 s RES, CHIP 27 5% 1/10W 1-216-013-00 s RES, CHIP 5% 1/10W 1-216-015-00 s RES, CHIP 39 5% 1/10W 1-216-017-00 s RES, CHIP 47 5% 1/10W 1-216-019-00 s RES, CHIP 56 5% 1/10W 1-216-021-00 s RES, CHIP 68 5% 1/10W 1-216-023-00 s RES, CHIP 82 1-216-025-00 s RES, CHIP 100 5% 1/10W 1-216-027-00 s RES, CHIP 120 5% 1/10W 1-216-029-00 s RES, CHIP 150 5% 1/10W 1-216-031-00 s RES, CHIP 180 5% 1/10W 1-216-033-00 s RES, CHIP 1-216-035-00 s RES, CHIP 220 5% 1/10W 270 5% 1/10W 1-216-037-00 s RES, CHIP 330 5% 1/10W 1-216-039-00 s RES, CHIP 390 5% 1/10W 1-216-041-00 s RES, CHIP 470 5% 1/10W 1-216-043-00 s RES, CHIP 560 5% 1/10W 1-216-045-00 s RES, CHIP 680 5% 1/10W 1-216-047-00 s RES, CHIP 820 5% 1/10W 1-216-049-00 s RES, CHIP 1k 5% 1/10W 1-216-051-00 s RES, CHIP 1.2k 5% 1/10W 1-216-053-00 s RES, CHIP 1.5k 5% 1/10W 1-216-055-00 s RES, CHIP 1.8k 5% 1/10W 1-216-057-00 s RES, CHIP 2.2k 5% 1/10W 1-216-059-00 s RES, CHIP 2.7k 5% 1/10W 1-216-061-00 s RES, CHIP 3.3k 5% 1/10W 1-216-063-00 s RES, CHIP 3.9k 5% 1/10W 1-216-065-00 s RES, CHIP 4.7k 5% 1/10W 1-216-067-00 s RES, CHIP 5.6k 5% 1/10W 1-216-069-00 s RES, CHIP 6.8k 5% 1/10W 1-216-071-00 s RES, CHIP 8.2k 5% 1/10W 1-216-073-00 s RES, CHIP 10k 5% 1/10W 1-216-075-00 s RES, CHIP 12k 5% 1/10W 1-216-077-00 s RES, CHIP 15k 5% 1/10W 1-216-079-00 s RES, CHIP 5% 1/10W 18k 1-216-081-00 s RES, CHIP 5% 1/10W 1-216-083-00 s RES, CHIP 27k 5% 1/10W 1-216-085-00 s RES, CHIP 33k 5% 1/10W 1-216-087-00 s RES, CHIP 39k 5% 1/10W 1-216-089-00 s RES, CHIP 47k 5% 1/10W 1-216-091-00 s RES, CHIP 5% 1/10W

(RESISTOR, CHIP)

Part No.	SP	Description
1-216-093-00		RES, CHIP 68k 5% 1/10W
1-216-095-00	S	RES, CHIP 82k 5% 1/10W
1-216-097-00	S	RES, CHIP 100k 5% 1/10W
1-216-099-00	S	RES, CHIP 120k 5% 1/10W
1-216-101-00	S	RES, CHIP 150k 5% 1/10W
1-216-103-00	s	RES, CHIP 180k 5% 1/10W
1-216-105-00	S	RES, CHIP 220k 5% 1/10W
1-216-107-00	S	RES, CHIP 270k 5% 1/10W
1-216-109-00		RES, CHIP 330k 5% 1/10W
1-216-111-00		RES, CHIP 390k 5% 1/10W
	•	,
1-216-113-00	s	RES, CHIP 470k 5% 1/10W
1-216-115-00		RES, CHIP 560k 5% 1/10W
1-216-117-00		RES, CHIP 680k 5% 1/10W
1-216-119-00		RES, CHIP 820k 5% 1/10W
1-216-121-00		RES. CHIP 1.0M 5% 1/10W
	•	
1-216-123-00	s	RES, CHIP 1.2M 5% 1/10W
1-216-125-00		RES, CHIP 1.5M 5% 1/10W
1-216-127-00		RES, CHIP 1.8M 5% 1/10W
1-216-129-00		RES, CHIP 2.2M 5% 1/10W
1-216-131-00		RES. CHIP 2.7M 5% 1/10W
1 210 131 00	3	NGO, CHI 2: 11 0/0 1/ 10#
1-216-133-00	s	RES, CHIP 3.3M 5% 1/10W
1-210-133-00	8	NEO, CHIT 0.00 0.0 1/10W

RESISTOR, CHIP METAL

Part No.	SP	Description
1-216-603-11	S	RES, CHIP METAL 10 1% 1/10W
1-216-605-11	S	RES, CHIP METAL 12 1% 1/10W
1-216-609-11	S	RES, CHIP METAL 18 1% 1/10W
1-216-611-11	S	RES, CHIP METAL 22 1% 1/10W
1-216-614-11	s	RES, CHIP METAL 30 1% 1/10W
1 010 017 11		DCC ON D MOTHER DO 10 1/101:
1-216-617-11	S	RES, CHIP METAL 39 1% 1/10W
1-216-619-11	S	RES, CHIP METAL 47 1% 1/10W
1-216-620-11	S	RES, CHIP METAL 51 1% 1/10W
1-216-623-11	\$	RES, CHIP METAL 68 1% 1/10V
1-216-624-11	s	RES, CHIP METAL 75 1% 1/10W
1-216-625-11	s	RES, CHIP METAL 82 1% 1/10W
1-216-626-11	s	RES, CHIP METAL 91 1% 1/10W
1-216-627-11	s	RES, CHIP METAL 100 1% 1/10W
1-216-629-11	s	RES, CHIP METAL 120 1% 1/10W
1-216-631-11	s	RES, CHIP METAL 150 1% 1/10W
1 210 001 11	3	NGS, CHIT HEINE 100 18 1/108
1-216-633-11	s	RES, CHIP METAL 180 1% 1/10W
1-216-634-11	s	RES, CHIP METAL 200 1% 1/10W
1-216-635-11	s	RES, CHIP METAL 220 1% 1/10W
1-216-636-11	S	RES, CHIP METAL 240 1% 1/10W
1-216-637-11	s	RES, CHIP METAL 270 1% 1/10W
		DEG GUID HEETI OOO YN AMAN
1-216-638-11	S	RES, CHIP METAL 300 1% 1/10W
1-216-639-11	S	RES, CHIP METAL 330 1% 1/10W
1-216-640-11	S	RES, CHIP METAL 360 1% 1/10W
1-216-641-11	S	RES, CHIP METAL 390 1% 1/10W
1-216-642-11	s	RES, CHIP METAL 430 1% 1/10W
1-216-643-11	s	RES, CHIP METAL 470 1% 1/10W
1-216-644-11	s	RES, CHIP METAL 510 1% 1/10W
1-216-645-11	s	RES, CHIP METAL 560 1% 1/10W
1-216-647-11	S	RES, CHIP METAL 680 1% 1/10W
1-216-648-11	s	RES, CHIP METAL 750 1% 1/10W
1 210 010 11	٠	NEO, OHI NEINE 100 1/1 1/10#
1-216-649-11	s	RES, CHIP METAL 820 1% 1/10W
1-216-650-11	S	RES, CHIP METAL 910 1% 1/10W
1-216-651-11	s	RES, CHIP METAL 1.0k 1% 1/10W
1-216-652-11	s	RES, CHIP METAL 1.1k 1% 1/10W
1-216-653-11	S	RES, CHIP METAL 1.2k 1% 1/10W
1-216-655-11	s	RES, CHIP METAL 1.5k 1% 1/10W
1-216-656-11	S	
1-216-657-11		RES, CHIP METAL 1.8k 1% 1/10W
1-216-658-11		RES, CHIP METAL 2k 1% 1/10W
1-216-659-11	S	RES, CHIP METAL 2.2k 1% 1/10W
1 210 000 11	3	NES, CHI HEINE 2.28 16 1710#
1-216-660-11	s	RES, CHIP METAL 2.4k 1% 1/10W
1-216-661-11	S	RES, CHIP METAL 2.7k 1% 1/10W
1-216-662-11	s	RES, CHIP METAL 3k 1% 1/10W
1-216-663-11		RES, CHIP METAL 3.3k 1% 1/10W
1-216-664-11	S	RES, CHIP METAL 3.5k 1% 1/10W
1-216-665-11	s	RES, CHIP METAL 3.9k 1% 1/10W
1-216-666-11		RES, CHIP METAL 4.3k 1% 1/10W
1-216-667-11		
1-216-668-11	-	RES, CHIP METAL 5.1k 1% 1/10W
1-216-669-11		RES, CHIP METAL 5.6k 1% 1/10W
1 210 000 11		O The Thursday O The 17.10W

17-35 BVW-22P

(RESISTOR, CHIP METAL)

RESISTOR, CARBON

Part No.	SP	P Description					
1-216-670-11	s	RES, CHIP METAL 6.2k 1% 1/10W					
1-216-671-11	S	RES. CHIP METAL 6.8k 1% 1/10W					
1-216-672-11	S	RES. CHIP METAL 7.5k 1% 1/10W					
1-216-673-11	s	RES, CHIP METAL 8.2k 1% 1/10W					
1-216-674-11	S	RES, CHIP METAL 9.1k 1% 1/10W					
1-216-675-11	S	RES, CHIP METAL 10k 1% 1/10W					
1-216-676-11	S	RES, CHIP METAL 11k 1% 1/10W					
1-216-677-11	S	RES, CHIP METAL 12k 1% 1/10W					
1-216-678-11	S	RES, CHIP METAL 13k 1% 1/10W					
1-216-679-11	s	RES, CHIP METAL 15k 1% 1/10W					
1-216-680-11	S	RES, CHIP METAL 16k 1% 1/10W					
1-216-681-11	S	RES, CHIP METAL 18k 1% 1/10W					
1-216-682-11	S	RES, CHIP METAL 20k 1% 1/10W					
1-216-683-11	S	RES, CHIP METAL 22k 1% 1/10W					
1-216-684-11	s	RES, CHIP METAL 24k 1% 1/10W					
1-216-685-11	\$	RES, CHIP METAL 27k 1% 1/10W					
1-216-686-11	S	RES, CHIP METAL 30k 1% 1/10W					
1-216-687-11	\$	RES, CHIP METAL 33k 1% 1/10W					
1-216-688-11	S	RES, CHIP METAL 36k 1% 1/10W					
1-216-689-11	s	RES, CHIP METAL 39k 1% 1/10W					
1-216-690-11	S	RES, CHIP METAL 43k 1% 1/10W					
1-216-691-11	S	RES, CHIP METAL 49k 1% 1/10W					
1-216-692-11	S	RES, CHIP METAL 51k 1% 1/10W					
1-216-693-11	S	RES, CHIP METAL 56k 1% 1/10W					
1-216-694-11	S	RES, CHIP METAL 62k 1% 1/10W					
1-216-695-11	S	RES, CHIP METAL 68k 1% 1/10W					
1-216-696-11	S	RES, CHIP METAL 75k 1% 1/10W					
1-216-697-11	S	RES, CHIP METAL 82k 1% 1/10W					
1-216-698-11	S	RES, CHIP METAL 91k 1% 1/10W					
1-216-699-11	S	RES, CHIP METAL 100k 1% 1/10W					

Part No.	SP	. Desc	ription			
1 040 001 11		000	C1000H		r.w	1 (01)
1-249-381-11	S	RES,	CARBON	1.0	5%	1/6W
1-249-382-11	S	RES,	CARBON	1.2	5%	1/6W
1-249-383-11	S	RES,	CARBON	1.5	5%	1/6W
1-249-384-11	S	RES,	CARBON	1.8	5%	1/6W
1-249-385-11	S	RES,	CARBON	2.2	5%	1/6W
1-249-386-11		RES,	CARBON	2.7	5%	1 /GU
1-249-387-11	S	RES,	CARBON	3.3	5%	1/6W 1/6W
1-249-388-11	s	RES,	CARBON	3.9	5%	1/6W
1-249-389-11	s	RES,	CARBON	4.7	5%	1/6W
1-249-390-11	s	RES.	CARBON	5.6	5%	1/6W
. 210 000 11	•	nab,	0.110011	0.0	0,0	27 011
1-249-391-11	s	RES,	CARBON	6.8	5%	1/6W
1-249-392-11	s	RES,	CARBON	8.2	5%	1/6W
1-249-393-11	S	RES,	CARBON	10	5%	1/6W
1-249-394-11	S	RES,	CARBON	12	5%	1/6W
1-249-395-11	S	RES,	CARBON	15	5%	1/6W
1-249-396-11		RES,	CARBON	18	5%	1/6W
1-249-397-11	S	RES,	CARBON	22	5%	1/6W
1-249-398-11	S	RES.	CARBON	27	5%	1/6W
1-249-399-11	S	RES,	CARBON	33	5%	1/6W
1-249-400-11	S	RES,	CARBON	39	5%	1/6W
1-243-400-11	3	NCO,	CANDON	29	3/0	170%
1-249-401-11	s	RES,	CARBON	47	5%	1/6W
1-249-402-11	S	RES,	CARBON	56	5%	1/6₩
1-249-403-11	S	RES,	CARBON	68	5%	1/6W
1-215-394-00	S	RES,	METAL	75	1%	1/6W
1-249-404-11	S	RES,	CARBON	82	5%	1/6W
			#1000U		ma/	
1-249-405-11	S	RES,	CARBON	100	5%	1/6W
1-249-406-11	S	RES,	CARBON	120	5%	1/6W
1-249-407-11	S	RES,	CARBON	150	5%	1/6W
1-249-408-11	S	RES,	CARBON	180	5%	1/6W
1-249-409-11	S	RES,	CARBON	220	5%	1/6W
1-249-410-11	s	RES,	CARBON	270	5%	1/6W
1-249-411-11	s	RES.	CARBON	330	5%	1/6W
1-249-412-11	S	RES,	CARBON	390	5%	1/6W
1-249-413-11	S	RES,	CARBON	470	5%	1/6W
1-249-414-11	S	RES,	CARBON	560	5%	1/6W
1-249-415-11		RES,	CARBON	680	59	1/6W
1-249-416-11	S	RES,		820		1/6W
1-249-417-11	S		CARBON	1.0k		
1-249-418-11	s	RES,		1.2k		1/6W
1-249-419-11	s	RES,				1/6W
1-249-420-11	S		CARBON			
1-249-421-11	S		CARBON	2.2k		1/6W
1-249-422-11	S	RES,		2.7k		1/6W
1-249-423-11	S		CARBON			1/6W
1-249-424-11	s	KE5,	CARBON	3.9k	5%	1/6W
1-249-425-11	s	RES,	CARBON	4.7k	5%	1/6W
1-249-426-11	S	RES,		5.6k		1/6₩
1-249-427-11	S		CARBON	6.8k		1/6W
1-249-428-11	s		CARBON	8.2k		1/6W
1-249-429-11	s		CARBON	10k	5%	1/6W
1-249-430-11	s	RES.	CARBON	12k	5%	1/6W
1-249-431-11	s		CARBON	15k		1/6W
1-249-432-11	s	RES,		18k	5%	1/6W
1-249-433-11	s	RES,		22k	5%	1/6W
1-249-434-11	s		CARBON	27k	5%	1/6W

(RESISTOR, CARBON)

Part No.	SP	Desci	ription				
1 040 405 11		DEG	CLOCON	001	-~	1 (0)1	
1-249-435-11	S		CARBON	33k		1/6₩	
1-249-436-11	S	RES,	CARBON	39k	5%	1/6W	
1-249-437-11	S	RES,	CARBON	47k	5%	1/6W	
1-249-438-11	s	RES,	CARBON	56k	5%	1/6W	
1-249-439-11	S	RES,	CARBON	68k	5%	1/6W	
1-249-440-11	S	RES,	CARBON	82k	5%	1/6W	
1-249-441-11	S	RES,	CARBON	100k	5%	1/6W	
1-215-471-00	S	RES,	METAL	120k	1%	1/6W	
1-215-473-00	s	RES,	METAL	150k	1%	1/6W	
1-215-475-00	s	RES,	METAL	180k	1%	1/6W	
1-215-477-00	S	RES,	METAL	220k	1%	1/6W	
1-215-479-00	S	RES,	METAL	270k	1%	1/6W	
1-215-481-00	S	RES,	METAL	330k	1%	1/6W	
1-215-483-00	s	RES,	METAL	390k	1%	1/6W	
1-215-485-00	s	RES,	METAL	470k	1%	1/6W	
1-215-487-00	S	RES,	METAL	560k	1%	1/6W	
1-215-489-00	S	RES,	METAL	680k	1%	1/6W	
1-215-491-00	S	RES,	METAL	820k	1%	1/6W	
1-215-493-00	S	RES,	METAL	1.0M	1%	1/6W	
		,					

INDUCTOR, MICRO

Part No.	SP	Description
1-408-397-00	s	INDUCTOR, MICRO 1.0 5%
1-408-399-00	s	INDUCTOR, MICRO 1.5 5%
1-408-400-00	s	INDUCTOR, MICRO 1.8 5%
1-408-401-00	S	INDUCTOR, MICRO 2.2 5%
1-408-403-00	s	INDUCTOR, MICRO 3.3 5%
1 100 100 00	3	THOOLIGHT HICKO DID DA
1-408-404-00	S	INDUCTOR, MICRO 3.9 5%
1-408-405-00	S	INDUCTOR, MICRO 4.7 5%
1-408-406-00	s	INDUCTOR, MICRO 5.6 5%
1-408-407-00	S	INDUCTOR, MICRO 6.8 5%
1-408-408-00	s	INDUCTOR, MICRO 8.2 5%
1-408-409-00	S	INDUCTOR, MICRO 10 5%
1-408-410-00	S	INDUCTOR, MICRO 12 5%
1-408-411-00	S	INDUCTOR, MICRO 15 5%
1-408-412-00	s	INDUCTOR, MICRO 18 5%
1-408-413-00	s	INDUCTOR, MICRO 22 5%
1 400 414 00		LUBUOTOD MICOS OF TO
1-408-414-00	\$	INDUCTOR, MICRO 27 5%
1-408-415-00	S	INDUCTOR, MICRO 33 5%
1-408-416-00	S	INDUCTOR, MICRO 39 5%
1-408-417-00	S	INDUCTOR, MICRO 47 5%
1-408-418-00	S	INDUCTOR, MICRO 56 5%
1-408-419-00	s	INDUCTOR, MICRO 68 5%
1-408-420-00	s	INDUCTOR, MICRO 82 5%
1-408-421-00	s	INDUCTOR, MICRO 100 5%
1-408-422-00	s	INDUCTOR, MICRO 120 5%
1-408-423-00	S	INDUCTOR, MICRO 150 5%
		THE CTORY THORCE 100 DA
1-408-424-00	s	INDUCTOR, MICRO 180 5%
1-408-425-00	S	INDUCTOR, MICRO 220 5%
1-408-426-00	s	INDUCTOR, MICRO 270 5%
1-408-427-00	S	INDUCTOR, MICRO 330 5%
1-408-428-00	s	INDUCTOR, MICRO 390 5%
1-408-429-00	S	INDUCTOR, MICRO 470 5%
1-410-116-11	\$	INDUCTOR, MICRO 560 5%
1-410-492-11	s	INDUCTOR, MICRO 680 5%
1-410-493-11	S	INDUCTOR, MICRO 820 5%
1-410-494-11	\$	INDUCTOR, MICRO 1000 5%

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CONNECTOR, RECEPTACLE (STRAIGHT TYPE)
 CONNECTOR, RECEPTACLE (ANGLE TYPE)
 CONNECTOR, HOUSING
 CONNECTOR, CONTACT AWG24-30/AWG32
 Part No.
             SP Description
 1-564-001-11 o RECEPTACLE 2P MALE (STRAIGHT TYPE)
 1-564-012-11 o
                 RECEPTACLE 2P MALE (ANGLE TYPE)
 1-562-147-11 o
                 HOUSING
                            2P
 1-564-026-21 o CONTACT
                            AWG24-30
1-564-681-21 o CONTACT
                            AWG32
1-564-002-11 o RECEPTACLE 3P MALE (STRAIGHT TYPE)
1-564-013-11 o RECEPTACLE
                            3P MALE (ANGLE TYPE)
1-562-148-11 o HOUSING
                            3P
1-564-026-21 o
                CONTACT
                            AWG24-30
1-564-681-21 o CONTACT
                            AWG32
1-564-003-11 o RECEPTACLE
                            4P MALE (STRAIGHT TYPE)
1-564-014-11 o
                 RECEPTACLE
                            4P MALE (ANGLE TYPE)
1-562-149-11 o
                HOUSING
                            4P
1-564-026-21 o CONTACT
                            AWG24-30
1-564-681-21 o CONTACT
                            AWG32
1-564-004-11 o
                RECEPTACLE 5P MALE (STRAIGHT TYPE)
1-564-015-11 o
                RECEPTACLE 5P MALE (ANGLE TYPE)
1-562-150-11 o
                HOUSING
                            5P
1-564-026-21 o CONTACT
                            AVG24-30
1-564-681-21 o
                CONTACT
                            AWG32
1-564-005-11 o RECEPTACLE 6P MALE (STRAIGHT TYPE)
1-564-016-11 o
                RECEPTACLE
                           6P MALE (ANGLE TYPE)
1-562-151-11 o
                HOUSING
                            6P
1-564-026-21 o
                CONTACT
                            AWG24-30
1-564-681-21 o
                CONTACT
                            AWG32
1-564-006-11 o
                RECEPTACLE
                            7P MALE (STRAIGHT TYPE)
1-564-017-11 o
                RECEPTACLE
                            7P MALE (ANGLE TYPE)
1-562-152-11 o
                HOUSING
1-564-026-21 o CONTACT
                            AWG24-30
1-564-681-21 o
                CONTACT
                            AWG32
1-564-007-11 o RECEPTACLE 8P MALE (STRAIGHT TYPE)
1-564-018-11 o
                RECEPTACLE
                           8P MALE (ANGLE TYPE)
1-562-153-11 o HOUSING
                           8P
1-564-026-21 o
                            AWG24-30
                CONTACT
1-564-681-21 o
                CONTACT
                            AWG32
1-564-008-41 o
                RECEPTACLE 9P MALE (STRAIGHT TYPE)
                           9P MALE (ANGLE TYPE)
1-564-019-11 o
                RECEPTACLE
1-562-154-11 o
                           9P
                HOUSING
1-564-026-21 o
                CONTACT
                            AWG24-30
1-564-681-21 o
                CONTACT
                           AWG32
1-564-009-11 o RECEPTACLE 10P MALE (STRAIGHT TYPE)
                RECEPTACLE 10P MALE (ANGLE TYPE)
1-564-020-11 o
1-562-155-11 o
                HOUSING
                           10P
1-564-026-21 o
                CONTACT
                           AWG24-30
1-564-681-21 o
                CONTACT
                           AVG32
1-564-010-21 o RECEPTACLE 11P MALE (STRAIGHT TYPE)
1-564-021-11 o
                RECEPTACLE 11P MALE (ANGLE TYPE)
1-562-156-11 o
                HOUSING
                           11P
1-564-026-21 o
                CONTACT
                           AWG24-30
1-564-681-21 o
                CONTACT
                           AWG32
1-564-011-11 o RECEPTACLE 12P MALE (STRAIGHT TYPE)
1-564-022-11 o RECEPTACLE 12P MALE (ANGLE TYPE)
1-562-157-11 o
                HOUSING
                           12P
1-564-026-21 o CONTACT
                           AWG24-30
1-564-681-21 o CONTACT
                           AWG32
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•••••• CONNECTOR, RECEPTACLE (STRAIGHT TYPE) CONNECTOR, RECEPTACLE (ANGLE TYPE) CONNECTOR, HOUSING CONNECTOR, CONTACT AWG24-30/AWG32 Part No. SP Description 1-564-683-11 o RECEPTACLE 13P MALE (STRAIGHT TYPE) RECEPTACLE 13P MALE (ANGLE TYPE) 1-564-743-11 o 1-562-627-11 o HOUSING 13P 1-564-026-21 o CONTACT AWG24-30 1-564-681-21 o CONTACT AWG32 1-564-069-11 o RECEPTACLE 14P MALE (STRAIGHT TYPE) 1-564-630-11 o RECEPTACLE 14P MALE (ANGLE TYPE) 1-562-185-11 o HOUSING 14P 1-564-026-21 o CONTACT AWG24-30 1-564-681-21 o CONTACT AWG32 1-564-855-11 o RECEPTACLE 15P MALE (STRAIGHT TYPE) 1-564-877-11 o RECEPTACLE 15P MALE (ANGLE TYPE) 1-562-958-11 o HOUSING 15P 1-564-026-21 o CONTACT AWG24-30 1-564-681-21 o CONTACT AWG32 RECEPTACLE straight type angle type PLUG housing contact FR.

AC-93A BOARD

Ref. No.

or Q'ty Part No. SP Description

1-626-309-22 o PRINTED CIRCUIT BOARD, AC-93A

⚠1-506-371-00 o 2P PLUG (L) CN1

FI ∆1-532-203-11 s FUSE, TIME-LAG AU-101A BOARD

Ref. No.

or Q'ty	Part No. SP Description
1pc	A-6713-344-A o MOUNTED CIRCUIT BOARD, AU-101A
C101	1-162-280-31 s CERAMIC 82PF 10% 50V
C102	1-162-287-31 s CERAMIC 270PF 10% 50V
C103	1-162-288-31 s CERAMIC 330PF 10% 50V
C106	1-162-288-31 s CERAMIC 330PF 10% 50V 1-162-286-31 s CERAMIC 220PF 10% 50V
C110	1-123-875-11 s ELECT 10uF 20% 50V
C112	1-126-103-11 s ELECT 470uF 20% 16V
C115	1-136-684-11 s FILM 0.0022uF 2% 100V 1-136-684-11 s FILM 0.0022uF 2% 100V
C116	1-136-682-11 s FILM 0.0039uF 2% 100V
C117	1-131-345-00 s TANTALUM 0.47uF 10% 35V
C119	1-130-738-00 s FILM 0.015uF 1% 100V 1-130-765-00 s FILM 0.056uF 2% 100V
C122	1-130-765-00 S FILM 0.0560F 2% 100V
C123	1-136-683-11 s FILM 0.0056uF 2% 100V
C124 C125	1-130-736-11 s FILM 0-010F 1% 100V
C125	1-123-875-11 s ELECT 10uF 20% 50V
C126	1-123-875-11 s ELECT 10uF 20% 50V
C127	1-162-290-31 s CERAMIC 470PF 10% 50V
C128	1-126-233-11 s ELECT 22uF 20% 50V 1-162-215-31 s CERAMIC 47PF 5% 50V
C129	1-162-215-31 s CERAMIC 47PF 5% 50V
C130	1-126-233-11 s ELECT 22uF 20% 50V
C131	1-123-875-11 s ELECT 10uF 20% 50V
C132	1-162-290-31 s CERAMIC 470PF 10% 50V 1-124-499-11 s ELECT, NONPOLAR 1uF 20% 50V
C133	1-124-499-11 s ELECT, NONPOLAR 1uF 20% 50V
C134	1-124-499-11 s ELECT, NONPOLAR 1uF 20% 50V
C201	1-162-280-31 s CERAMIC 82PF 10% 50V
C202	1-162-287-31 s CERAMIC 270PF 10% 50V
C203	1-162-288-31 s CERAMIC 330PF 10% 50V
	1-162-286-31 s CERAMIC 220PF 10% 50V
C210	1-123-875-11 s ELECT 10uF 20% 50V
C211	1-126-103-11 s ELECT 470uF 20% 16V
C212	1-136-684-11 s FILM 0.0022uF 2% 100V
C213	1-136-684-11 S FILM 0.0022uF 2% 100V
C214	1-136-684-11 s FILM 0.0022uF 2% 100V 1-136-682-11 s FILM 0.0039uF 2% 100V
C215	1-131-345-00 s TANTALUM 0.47uF 10% 35V
C217	1-130-738-00 s FILM 0.015uF 1% 100V
C220	1-130-765-00 s FILM 0.056uF 2% 100V
	1-136-683-11 s FILM 0.0056uF 2% 100V
	1-130-736-11 s FILM 0.01uF 1% 100V
	1-123-875-11 s ELECT 10uF 20% 50V
	1-123-875-11 s ELECT 10uF 20% 50V
C225	1-126-233-11 s ELECT 22uF 20% 50V
	1-162-215-31 s CERAMIC 47PF 5% 50V
	1-126-233-11 s ELECT 22uF 20% 50V
	1-123-875-11 s ELECT 10uF 20% 50V
	1-124-499-11 s ELECT, NONPOLAR 1uF 20% 50V
	1-124-499-11 s ELECT, NONPOLAR 1uF 20% 50V
	1-161-485-00 s CERAMIC 0.1uF 50V
C305	1-162-290-31 s CERANIC 470PF 10% 50V
	1-131-341-00 s TANTALUM 0.1uF 10% 35V
U0V0	1-162-718-11 s CERAMIC 220PF 1% 50V
	1-162-288-31 s CERAMIC 330PF 10% 50V
C310	1-162-286-31 s CERAMIC 220PF 10% 50V
	1-123-875-11 s ELECT 10uF 20% 50V
	1-162-285-31 s CERAMIC 180PF 10% 50V
C317	1-123-875-11 s ELECT 10uF 20% 50V

(AU-101A BOARD) (AU-101A BOARD) Ref. No. Ref. No. or Q'ty Part No. SP Description or Q'ty Part No. SP Description 1-162-294-31 s CERAMIC 0.001uF 10% 50V CN6 1-506-471-11 o CONNECTOR, 6P, MALE C320 1-123-875-11 s ELECT 10uF 20% 50V CN7 1-506-471-11 o CONNECTOR, 6P. MALE C321 1-123-875-11 s ELECT 10uF 20% 50V C323 1-162-290-31 s CERAMIC 470PF 10% 50V D301 8-719-911-19 s DIODE ISS119 1-131-341-00 s TANTALUM 0.1uF 10% 35V C324 D302 8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119 D303 1-162-718-11 s CERAMIC 220PF 1% 50V 1-162-288-31 s CERAMIC 330PF 10% 50V C326 D304 8-719-911-19 s DIODE 1SS119 C327 D305 8-719-911-19 s DIODE ISS119 C328 1-162-286-31 s CERAMIC 220PF 10% 50V 1-123-875-11 s ELECT 10uF 20% 50V C333 D306 8-719-911-19 s DIODE 1SS119 C334 1-162-285-31 s CERANIC 180PF 10% 50V D307 8-719-120-53 s DIODE RD5.1ES-L2 8-719-121-15 s DIODE RD8.2ES-L3 D401 C335 1-123-875-11 s ELECT 10uF 20% 50V 0402 8-719-200-02 s DIODE 10E2 1-162-294-31 s CERAMIC 0.001uF 10% 50V C336 D403 8-719-200-02 s DIODE 10E2 C338 1-123-875-11 s ELECT 10uF 20% 50V C339 1-123-875-11 s ELECT 10uF 20% 50V D404 8-719-911-19 s DIODE 1SS119 C342 1-126-233-11 s ELECT 22uF 20% 50V 0405 8-719-911-19 s DIODE 1SS119 C345 1-130-190-00 s FILM 0.039uF 5% 100V FL101 1-236-017-11 s FILTER. LOW-PASS C346 1-162-286-31 s CERAMIC 220PF 10% 50V FL201 1-236-017-11 s FILTER, LOW-PASS C347 1-136-287-11 s FILM 0.0047uF 5% 100V 1-236-011-11 s FILTER, LOW-PASS FL301 C348 1-162-196-31 s CERAMIC 5.6PF 10% 50V FL302 1-236-012-11 s FILTER, BANDPASS 310KH C349 1-162-292-31 s CERAMIC 680PF 10% 50V FL303 1-236-013-11 s FILTER, BANDPASS 540KH C350 1-131-370-00 s TANTALUM 6.8uF 10% 16V FL304 1-236-003-11 s FILTER, LOW-PASS 1-136-293-11 s FILM 0.0082uF 5% 100V C351 C352 1-131-365-00 s TANTALUM 10uF 10% 20V IC101 8-759-700-04 s IC NJM2043D-D C353 1-131-343-00 s TANTALUM 0.22uF 10% 35V IC102 8-752-018-80 s IC CX20188 C357 1-126-233-11 s ELECT 22uF 20% 50V IC103 8-759-208-12 s IC TC4016BPHB 8-759-745-61 s IC NJM4560D-D IC104 C360 1-162-286-31 s CERAMIC 220PF 10% 50V 1C301 8-759-420-06 s IC AN6391NK C361 1-130-190-00 s FILM 0.039uF 5% 100V 1-136-287-11 s FILM 0.0047uF 5% 100V C362 8-759-420-06 s IC AN6391NK IC302 C363 1-162-196-31 s CERAMIC 5.6PF 10% 50V 1C303 8-752-014-80 s IC CX20148 C364 1-162-292-31 s CERAMIC 680PF 10% 50V 1C304 8-759-745-61 s IC NJM4560D-D 8-759-208-12 s IC TC4016BPHB IC401 C365 1-136-293-11 s FILM 0.0082uF 5% 100V 1C402 8-759-208-12 s IC TC4016BPHB C366 1-131-370-00 s TANTALUM 6.8uF 10% 16V C367 1-131-365-00 s TANTALUM 10uF 10% 20V IC403 8-759-745-61 s IC NJM4560D-D C363 1-131-343-00 s TANTALUM 0.22uF 10% 35V IC404 8-759-745-56 s IC N.IM4556D C370 1-162-215-31 s CERAMIC 47PF 5% 50V 1.301 1-410-064-11 s INDUCTOR 2.7mH C374 1-124-927-11 s ELECT 4.7uF 20% 100V L302 1-410-064-11 s INDUCTOR 2.7mH C375 1-126-103-11 s ELECT 470uF 20% 16V L303 1-410-482-31 s INDUCTOR 100uH 1-162-282-31 s CERAMIC 100PF 10% 50V C404 C406 1-123-875-11 s ELECT 10uF 20% 50V 1-126-103-11 s ELECT 470uF 20% 16V 0101 8-729-201-05 s TRANSISTOR 2SC2878-B C407 0102 8-729-201-05 s TRANSISTOR 2SC2878-B 0103 8-729-900-89 s TRANSISTOR DTC144ES C408 1-101-003-00 s CERAMIC 0.0047uF 50V 8-729-201-05 s TRANSISTOR 2SC2878-B 0104 C409 1-101-003-00 s CERAMIC 0.0047uF 50V 0105 8-729-201-05 s TRANSISTOR 2SC2878-B 1-126-233-11 s ELECT 22uF 20% 50V 1-126-233-11 s ELECT 22uF 20% 50V C410 C411 Q106 8-729-105-73 s TRANSISTOR 2SK523-L2 C418 1-123-875-11 s ELECT 10uF 20% 50V Q107 8-729-900-89 s TRANSISTOR DTC144ES 0108 8-729-900-89 s TRANSISTOR DTC144ES C419 1-126-233-11 s ELECT 22uF 20% 50V 8-729-201-05 s TRANSISTOR 2SC2878-B 0201 C420 1-126-233-11 s ELECT 22uF 20% 50V 0202 8-729-201-05 s TRANSISTOR 2SC2878-B C421 1-126-233-11 s ELECT 22uF 20% 50V C422 1-126-233-11 s ELECT 22uF 20% 50V 0203 8-729-201-05 s TRANSISTOR 2SC2878-B C424 1-162-199-31 s CERAMIC 10PF 5% 50V 0204 8-729-201-05 s TRANSISTOR 2SC2878-B 0205 8-729-900-89 s TRANSISTOR DTC144ES C425 1-162-199-31 s CERAMIC 10PF 5% 50V 0206 8-729-105-73 s TRANSISTOR 2SK523-L2 0301 8-729-603-50 s TRANSISTOR 2SC403SP-5 CNI 1-506-471-11 o CONNECTOR, 6P, MALE CN2 1-506-469-11 o CONNECTOR, 4P, MALE 0302 8-729-603-50 s TRANSISTOR 2SC403SP-5 CN3 1-506-471-11 o CONNECTOR, 6P, MALE Q303 8-729-603-50 s TRANSISTOR 2SC403SP-5 1-506-471-11 o CONNECTOR, 6P. MALE

NOTE: Please see the General Purpose Electrical List of capacitors and resistors that are not listed in the parts list.

1-506-468-11 o CONNECTOR, 3P, MALE

CN4

CN₅

0304

Q305

8-729-900-65 s TRANSISTOR DTA144ES

8-729-177-33 s TRANSISTOR 2SD773-4

(AU-101A BOARD)

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Ref. No.
                      SP Description
or Q'ty Part No.
0306
         8-729-603-50 s TRANSISTOR 2SC403SP-5
0401
         8-729-900-89 s TRANSISTOR DTC144ES
         8-729-900-89 s TRANSISTOR DTC144ES
0402
         8-729-117-54 s TRANSISTOR 2SA1175-F
0403
0404
         8-729-117-54 s TRANSISTOR 2SA1175-F
0405
         8-729-177-33 s TRANSISTOR 2SD773-4
0406
         8-729-113-34 s TRANSISTOR 2SB733-5
Q407
         8-729-201-05 s TRANSISTOR 2SC2878-B
         8-729-201-05 s TRANSISTOR 2SC2878-B
Q408
         8-729-201-05 s TRANSISTOR 2SC2878-B
Q409
Q410
         8-729-900-65 s TRANSISTOR DTA144ES
         8-729-900-65 s TRANSISTOR DTA144ES
0411
R101
         1-247-889-00 s CARBON 270K 5% 1/4W
R104
         1-247-883-00 s CARBON 150K 5% 1/4W
R112
         1-247-903-00 s CARBON 1M 5% 1/4W
         1-247-852-11 s CARBON 7.5K 5% 1/4W
R117
         1-247-854-11 s CARBON 9.1K 5% 1/4W
R118
R128
         1-247-887-00 s CARBON 220K 5% 1/4W
R138
         1-247-887-00 s CARBON 220K 5% 1/4W
         1-247-903-00 s CARBON 1M 5% 1/4W
R143
R144
         1-247-903-00 s CARBON 1M 5% 1/4W
R201
         1-247-889-00 s CARBON 270K 5% 1/4W
R204
         1-247-883-00 s CARBON 150K 5% 1/4W
         1-247-903-00 s CARBON 1M 5% 1/4W
R211
R216
         1-247-852-11 s CARBON 7.5K 5% 1/4W
         1-247-854-11 s CARBON 9.1K 5% 1/4W
R218
R236
         1-215-434-11 s CARBON 2.2K 1% 1/6W
R237
         1-247-903-00 s CARBON 1M 5% 1/4W
R238
         1-247-903-00 s CARBON 1M 5% 1/4W
         1-247-885-00 s CARBON 180K 5% 1/4W
R353
R406
         1-247-885-00 s CARBON 180K 5% 1/4W
         1-228-999-00 s RES, ADJ, METAL 470K
1-228-993-00 s RES, ADJ, METAL 4.7K
RV101
RV102
         1-228-994-00 s RES, ADJ, METAL 10K
RV103
         1-228-995-00 s RES, ADJ, METAL 22K
1-228-999-00 s RES, ADJ, METAL 470K
RV104
RV201
RV202
         1-228-993-00 s RES, ADJ, METAL 4.7K
         1-228-994-00 s RES, ADJ, METAL 10K
RV203
RV204
         1-228-995-00 s RES, ADJ, METAL 22K
RV301
         1-228-991-00 s RES, ADJ, METAL 2.2K
RV303
         1-228-995-00 s RES, ADJ, METAL 22K
RV304
         1-228-991-00 s RES, ADJ, METAL 2.2K
         1-228-995-00 s RES, ADJ, METAL 22K
RV305
         1-570-602-11 s SWITCH, DIP. 2-CKT
         1-570-602-11 s SWITCH, DIP, 2-CKT
$201
S401
         1-570-863-11 s SWITCH, SLIDE
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CCM-2 BOARD

Ref. No.

or Q'ty Part No. SP Description

1-623-198-11 o PRINTED CIRCUIT BOARD, CCM-2

M1007 1-541-376-11 s MOTOR, DC (DNR-4700A)

17-41

CL-14 BOARD

Ref. No.
or Q'ty Part No. SP Description

1-622-602-11 o PRINTED CIRCUIT BOARD, CL-14

CN332 1-563-969-11 o F.P.C 7P

R1 1-249-421-11 s CARBON 2.2K 5% 1/4W
R2 1-249-421-11 s CARBON 2.2K 5% 1/4W
R3 1-249-421-11 s CARBON 2.2K 5% 1/4W
R4 1-249-421-11 s CARBON 2.2K 5% 1/4W
R5 1-249-421-11 s CARBON 2.2K 5% 1/4W

Ref. No. or Q'ty Part No. SP Description 1-626-306-13 o PRINTED CIRCUIT BOARD, CP-123 1pc C1 1-123-875-11 s ELECT 10uF 20% 50V 1-123-875-11 s ELECT 10uF 20% 50V C2 C4 1-161-494-00 s CERAMIC 0.022uF 25V C11 1-124-360-00 s ELECT 1000uF 20% 16V 1-124-360-00 s ELECT 1000uF 20% 16V C23 1-564-002-00 o CONNECTOR, 3P, MALE CN1 CN2 1-564-004-00 o CONNECTOR, 5P, MALE 1-564-004-00 o CONNECTOR, 5P, MALE CN3 CN4 1-564-003-00 o CONNECTOR, 4P, MALE CN5 1-564-003-00 o CONNECTOR, 4P, MALE CN6 1-564-002-00 o CONNECTOR, 3P, MALE 1-564-005-00 o CONNECTOR, 6P, MALE CN7 CN8 1-564-004-00 o CONNECTOR, 5P, MALE CN9 1-564-003-00 o CONNECTOR, 4P, MALE CN10 1-564-005-00 o CONNECTOR, 6P, MALE CN11 1-564-003-00 o CONNECTOR, 4P, MALE D1 8-719-200-02 s DIODE 10E2 8-719-200-02 s DIODE 10E2 02 D3 8-719-200-02 s DIODE 10E2 04 8-719-200-02 s DIODE 10E2 D5 8-719-911-19 s DIODE 1SS119 **D6** 8-719-109-82 s DIODE RD4.7ESB3 LI 1-410-478-11 s INDUCTOR 47uH Q2 8-729-201-04 s TRANSISTOR 2SC2878-A 8-729-178-54 s TRANSISTOR 2SC2785-F 03 Q5 8-729-603-50 s TRANSISTOR 2SC403SP-5 8-729-603-50 s TRANSISTOR 2SC403SP-5 06 8-729-603-50 s TRANSISTOR 2SC403SP-5 Q12 013 8-729-603-50 s TRANSISTOR 2SC403SP-5

CP-123 BOARD

DC-36 BOARD Ref. No. or Q'ty Part No. SP Description 1pc A-6723-367-A o MOUNTED CIRCUIT BOARD. DC-36 1pc 1-561-432-00 o CONTACT, FEMALE 1pc 1-561-424-11 o HOUSING, 5P 1-126-103-11 s ELECT 470uF 20% 16V 1-126-103-11 s ELECT 470uF 20% 16V C1 C2 C3 1-131-344-00 s TANTALUM 0.33uF 10% 35V **C5** 1-126-103-11 s ELECT 470uF 20% 16V **C6** 1-126-103-11 s ELECT 470uF 20% 16V **C7** 1-126-103-11 s ELECT 470uF 20% 16V CN1 1-564-003-00 o CONNECTOR, 4P, MALE 1-564-014-00 o CONNECTOR, 4P. MALE CN2 1-564-014-00 o CONNECTOR, 4P, MALE CN3 CN4 1-564-013-00 o CONNECTOR, 3P. MALE CN5 1-564-022-21 o CONNECTOR, 12P, MALE CN6 1-564-016-00 o CONNECTOR. 6P. MALE CN8 1-564-014-00 o CONNECTOR, 4P, MALE CN10 1-564-007-00 o CONNECTOR, 8P. MALE 1-564-007-00 o CONNECTOR, 8P, MALE CN11 D1 8-719-200-02 s DIODE 10E2 DD1 1-464-967-11 s CONVERTER, DC-DC 12)002 1-464-967-11 s CONVERTER. DC-DC IC1 8-749-930-52 s IC SI-3052V L1 1-459-155-00 s COIL 45uH 1-459-155-00 s COIL 45uH 1.2 12)L3 1-459-155-00 s COIL 45uH

DE-15 BOARD

Ref. No.

or Q'ty Part No. SP Description

1-622-606-11 o PRINTED CIRCUIT BOARD, DE-15 1-559-907-11 o WIRE, FLEXIBLE CARD

DM-74 BO		(DM-74 B	OARD)
Ref. No.		Ref. No.	
or Q'ty	Part No. SP Description	or Q'ty	Part No. SP Description
1pc	A-6711-980-A o MOUNTED CIRCUIT BOARD, DM-74	CN3	1-506-475-11 o CONNECTOR, 10P, MALE
2pcs	3-657-153-00 o HINGE	CN4	1-506-471-11 o CONNECTOR, 6P. MALE
2pcs	3-646-090-00 s RIVET, NYLON	CN5	1-506-471-11 o CONNECTOR, 6P, MALE
		CN6	1-506-471-11 o CONNECTOR, 6P, MALE
C1	1-107-048-00 s MICA 6.8PF 500V	CN7	1-506-473-11 o CONNECTOR. 8P. MALE
C2	1-107-206-00 s MICA 15PF 5% 500V	OIV	1 000 470 11 0 COMMECTOR, OF, MALE
C5	1-107-048-00 s MICA 6.8PF 500V	D1	8-719-100-03 s DIODE 1S2835
C9	1-107-048-00 s MICA 6.8PF 500V	D3	8-719-104-10 s DIODE 1SS99
C10	1-107-206-00 s MICA 15PF 5% 500V	D4	8-719-104-10 s DIODE 1SS99
		D201	8-719-100-03 s DIODE 1S2835
C13	1-107-048-00 s MICA 6.8PF 500V		
C16	1-107-076-00 s MICA 43PF 5% 50V	DL201	1-415-154-00 s DELAY LINE 35nS
C17	1-107-046-00 s MICA 4.7PF 500V		
C18	1-107-157-00 s MICA 27PF 5% 500V	FB1	1-535-178-00 s BEAD, FERRITE
C20	1-107-157-00 s MICA 27PF 5% 500V	FB2	1-535-178-00 s BEAD, FERRITE
200		FB201	1-535-178-00 s BEAD, FERRITE
C28	1-107-159-00 s MICA 33PF 5% 500V	FB202	1-535-178-00 s BEAD, FERRITE
C43	1-162-729-11 s CERAMIC 620PF 1% 50V		
C49	1-162-729-11 s CERAMIC 620PF 1% 50V	FL1	1-236-281-11 s FILTER, LOW-PASS
C53	1-123-875-11 s ELECT 10uF 20% 50V	FL2	1-235-759-11 s FILTER, LOW-PASS
C66	1-124-589-11 s ELECT 47uF 20% 16V	FL3	1-236-179-11 s FILTER, LOW-PASS
007	1 104 F00 11 F1 F0F 4F F 000 107	FL201	1-235-760-11 s FILTER, LOW-PASS
C67	1-124-589-11 s ELECT 47uF 20% 16V	FL202	1-235-759-11 s FILTER, LOW-PASS
C69	1-124-589-11 s ELECT 47uF 20% 16V		
C70 C74	1-126-157-11 s ELECT 10uF 20% 16V 1-124-589-11 s ELECT 47uF 20% 16V	IC1	8-751-340-10 s IC CX134A
C82	1-123-875-11 s ELECT 10uF 20% 50V		1-464-602-11 s CIRCUIT UNIT, HF
002	1-125-675-11 8 ELECT 10Ur 20% 50V	IC4	8-759-601-00 s IC CX20004A
C83	1-123-875-11 s ELECT 10uF 20% 50V	IC6	8-759-208-14 s IC TC4066BPHB
C103	1-163-099-00 s CERAMIC, CHIP 18PF 5% 50V	IC7	8-769-401-89 s TRANSISTOR TX429M
C109	1-163-037-11 s CERAMIC, CHIP 0. 022uF 5% 25V	100	0.000.00.1010.00100
C110	1-163-037-11 s CERAMIC, CHIP 0.022uF 5% 25V	IC8	8-759-969-13 s IC SN16913P
C121	1-124-927-11 s ELECT 4. 7uF 20% 100V	IC9	8-752-320-32 s IC CXL5001P
0121	1 124 327 11 3 EBEOT 4.7 Gt 20% 1004	IC10 IC11	8-749-938-90 s IC BX-389
1)C122	1-102-074-00 s CERAMIC 0.001uF 10% 50V		8-759-202-12 s IC TC74HC02P 8-759-145-58 s IC UPC4558C
1) C123	1-161-021-11 s CERAMIC 0.001ur 10% 50V	1012	0-759-145-50 S TC UPC4550C
(0) C124	1-162-712-11 s CERAMIC 120PF 5% 50V	13) IC14	8-759-700-14 s IC NJM78M09A
C202	1-107-208-00 s MICA 18PF 5% 500V		8-759-982-34 s IC RC7809FA
C204	1-107-075-00 s MICA 39PF 5% 50V		8-751-340-10 s IC CX134A
			8-741-114-02 s IC BX1140
C205	1-107-208-00 s MICA 18PF 5% 500V		8-759-601-00 s IC CX20004A
C207	1-107-208-00 s MICA 18PF 5% 500V	10200	c to our of a roundoun
C210	1-107-075-00 s MICA 39PF 5% 50V	IC204	8-749-938-90 s IC BX-389
C211	1-107-208-00 s MICA 18PF 5% 500V		8-759-208-14 s IC TC4066BPHB
C215	1-163-103-00 s CERAMIC, CHIP I27PF 5% 50V		8-752-320-32 s IC CXL5001P
			8-749-938-90 s IC BX-389
	1-162-729-11 s CERAMIC 620PF 1% 50V		8-769-401-89 s TRANSISTOR TX429M
	1-107-159-00 s MICA 33PF 5% 500V		
	1-123-875-11 s ELECT 10uF 20% 50V	IC209	8-759-969-13 s IC SN16913P
	1-123-875-11 s ELECT 10uF 20% 50V	IC210	8-759-145-58 s IC UPC4558C
C259	1-124-589-11 s ELECT 47uF 20% 16V		
0000	1 104 F00 44 BIRDE 45 B 200 400	L3	1-410-482-31 s INDUCTOR 100uH
	1-124-589-11 s ELECT 47uF 20% 16V	L4	1-410-482-31 s INDUCTOR 100uH
	1-124-589-11 s ELECT 47uF 20% 16V	L5	1-410-482-31 s INDUCTOR 100uH
	1-126-157-11 s ELECT 10uF 20% 16V	L8	1-410-482-31 s INDUCTOR 100uH
	1-124-589-11 s ELECT 47uF 20% 16V	L10	1-410-482-31 s INDUCTOR 100uH
0203	1-107-157-00 s MICA 27PF 5% 500V		
C204	1 107 157 00 - WIGH 0700 FO FOOT	L11	1-410-482-31 s INDUCTOR 100uH
	1-107-157-00 s MICA 27PF 5% 500V	L13	1-410-482-31 s INDUCTOR 100uH
	1-107-044-00 s MICA 3.3PF 500V		1-410-470-11 s INDUCTOR 10uH
	1-163-037-11 s CERAMIC, CHIP 0.022uF 5% 25V	L16	1-410-466-41 s INDUCTOR 4.7uH
	1-163-037-11 s CERAMIC, CHIP 0.022uF 5% 25V 1-124-927-11 s ELECT 4.7uF 20% 100V	L17	1-410-468-11 s INDUCTOR 6.8uH
0301	1 124 321 11 S ELEO1 4. / UF ZU% 1997		4 440 400 04
CN1	1-506-471-11 o CONNECTOR, 6P, MALE		1-410-482-31 s INDUCTOR 100uH
	1-506-471-11 o CONNECTOR, 6P, MALE		1-410-482-31 s INDUCTOR 100uH
VII.6	1 000 TIL II O VORNEUTOR, UF, MALE		1-410-482-31 s INDUCTOR 100uH
		L22	1-410-482-31 s INDUCTOR 100uH

(DM-74 BOARD) (DM-74 BOARD) Ref. No. Ref. No. or Q'ty Part No. SP Description or Q'ty Part No. SP Description 1-410-482-31 s INDUCTOR 100uH L23 Q37 8-729-201-27 s TRANSISTOR 2SC2715-Y L24 1-410-482-31 s INDUCTOR 100uH 8-729-201-27 s TRANSISTOR 2SC2715-Y Q38 L26 1-410-482-31 s INDUCTOR 100uH 8-729-201-27 s TRANSISTOR 2SC2715-Y 039 1-410-482-31 s INDUCTOR 100uH L27 0201 8-729-201-27 s TRANSISTOR 2SC2715-Y 1-410-482-31 s INDUCTOR 100uH L28 Q202 8-729-271-22 s TRANSISTOR 2SC2712-G L203 1-410-482-31 s INDUCTOR 100uH 0203 8-729-202-38 s TRANSISTOR 2SC3326N-A L204 1-410-470-11 s INDUCTOR 10uH Q204 8-729-202-38 s TRANSISTOR 2SC3326N-A 1-410-482-31 s INDUCTOR 100uH 1.205 Q205 8-729-201-27 s TRANSISTOR 2SC2715-Y 8-729-201-27 s TRANSISTOR 2SC2715-Y 1-410-482-31 s INDUCTOR 100uH L206 0206 L207 1-410-482-31 s INDUCTOR 100uH 0208 8-729-201-27 s TRANSISTOR 2SC2715-Y L208 1-410-470-11 s INDUCTOR 10uH Q209 8-729-201-27 s TRANSISTOR 2SC2715-Y 1-410-482-31 s INDUCTOR 100uH 1.211 Q210 8-729-201-27 s TRANSISTOR 2SC2715-Y L212 1-410-482-31 s INDUCTOR 100uH 0213 8-729-201-27 s TRANSISTOR 2SC2715-Y L213 1-410-482-31 s INDUCTOR 100uH Q214 8-729-271-22 s TRANSISTOR 2SC2712-G L214 1-410-482-31 s INDUCTOR 100uH Q215 8-729-271-22 s TRANSISTOR 2SC2712-G L215 1-410-482-31 s INDUCTOR 100uH Q216 8-729-271-22 s TRANSISTOR 2SC2712-G 1-410-482-31 s INDUCTOR 100uH L216 Q217 8-729-271-22 s TRANSISTOR 2SC2712-G 1.217 1-410-482-31 s INDUCTOR 100uH Q218 8-729-271-22 s TRANSISTOR 2SC2712-G 1-410-482-31 s INDUCTOR 100uH 1.218 Q219 8-729-271-22 s TRANSISTOR 2SC2712-G 1.221 1-410-470-11 s INDUCTOR 10uH 0220 8-729-200-87 s TRANSISTOR 2SC2714-Y 1.222 1-410-470-11 s INDUCTOR 10uH Q222 8-729-271-22 s TRANSISTOR 2SC2712-G Q223 8-729-603-50 s TRANSISTOR 2SC403SP-5 ۵1 8-729-271-22 s TRANSISTOR 2SC2712-G Q224 8-729-271-22 s TRANSISTOR 2SC2712-G 8-729-201-27 s TRANSISTOR 2SC2715-Y 03 8-729-202-38 s TRANSISTOR 2SC3326N-A R10 1-216-066-00 s METAL, CHIP 5.1K 5% 1/10W 8-729-202-38 s TRANSISTOR 2SC3326N-A 04 R133 1-216-022-00 s METAL, CHIP 75 5% 1/10W 05 8-729-200-87 s TRANSISTOR 2SC2714-Y 1-216-066-00 s METAL, CHIP 5.1K 5% 1/10W R213 1-216-022-00 s METAL, CHIP 75 5% 1/10W R268 8-729-200-87 s TRANSISTOR 2SC2714-Y 07 8-729-200-87 s TRANSISTOR 2SC2714-Y RV1 1-228-990-00 s RES, ADJ, METAL 1K 8-729-201-27 s TRANSISTOR 2SC2715-Y ΩR 1-228-990-00 s RES, ADJ, METAL 1K RV2 1-228-991-00 s RES, ADJ, METAL 2.2K 09 8-729-200-87 s TRANSISTOR 2SC2714-Y Q11 8-729-122-63 s TRANSISTOR 2SA1226-E4 RV4 1-228-994-00 s RES, ADJ, METAL 10K RV5 1-228-991-00 s RES, ADJ, METAL 2.2K 012 8-729-122-63 s TRANSISTOR 2SA1226-E4 8-729-271-22 s TRANSISTOR 2SC2712-G 013 RV6 1-228-995-00 s RES, ADJ, METAL 22K 8-729-271-22 s TRANSISTOR 2SC2712-G 1-228-991-00 s RES, ADJ, METAL 2.2K 014 RV7 8-729-271-22 s TRANSISTOR 2SC2712-G 015 **RV12** 1-228-996-00 s RES, ADJ, METAL 47K 8-729-271-22 s TRANSISTOR 2SC2712-G 016 RV13 1-228-989-00 s RES, ADJ, METAL 470 **RV15** 1-228-990-00 s RES, ADJ, METAL 1K Q17 8-729-271-22 s TRANSISTOR 2SC2712-G 8-729-271-22 s TRANSISTOR 2SC2712-G 018 RV16 1-228-989-00 s RES, ADJ, METAL 470 019 8-729-271-22 s TRANSISTOR 2SC2712-G 1-228-989-00 s RES, ADJ, METAL 470 RV17 1-228-990-00 s RES, ADJ, METAL 1K 1-228-990-00 s RES, ADJ, METAL 1K 020 8-729-271-22 s TRANSISTOR 2SC2712-G RV201 021 8-729-201-27 s TRANSISTOR 2SC2715-Y RV202 1-228-991-00 s RES, ADJ, METAL 2.2K RV203 022 8-729-901-06 s TRANSISTOR DTA144EK 8-729-201-27 s TRANSISTOR 2SC2715-Y 023 1-228-994-00 s RES, ADJ, METAL 10K RV204 Q24 8-729-201-27 s TRANSISTOR 2SC2715-Y 1-228-995-00 s RES, ADJ, METAL 22K RV205 025 8-729-201-27 s TRANSISTOR 2SC2715-Y 1-228-991-00 s RES, ADJ, METAL 2.2K RV206 8-729-201-27 s TRANSISTOR 2SC2715-Y 026 RV209 1-228-989-00 s RES, ADJ, METAL 470 RV210 1-228-996-00 s RES, ADJ, METAL 47K 027 8-729-201-27 s TRANSISTOR 2SC2715-Y Q28 8-729-901-01 s TRANSISTOR DTC144EK RV211 1-228-989-00 s RES, ADJ, METAL 470 8-729-901-06 s TRANSISTOR DTA144EK 029 RV212 1-228-990-00 s RES, ADJ, METAL 1K Q30 8-729-201-27 s TRANSISTOR 2SC2715-Y 8-729-202-38 s TRANSISTOR 2SC3326N-A 031 1-570-863-11 s SWITCH, SLIDE S1 1-570-863-11 s SWITCH, SLIDE S2 032 8-729-271-22 s TRANSISTOR 2SC2712-G S31-570-863-11 s SWITCH, SLIDE 033 8-729-603-50 s TRANSISTOR 2SC403SP-5 S201 1-570-863-11 s SWITCH, SLIDE Q34 8-729-271-22 s TRANSISTOR 2SC2712-G 1-570-863-11 s SWITCH, SLIDE S202 8-729-201-27 s TRANSISTOR 2SC2715-Y

8-729-201-27 s TRANSISTOR 2SC2715-Y

DP-87 BOARD	DUS-174 BOARD
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
C101 1-124-589-11 s ELECT 47uF 20% 16V	1pc 1-626-312-11 o PRINTED CIRCUIT BOARD, DUS-174
D101 8-719-942-19 s LED LB-402VK D102 8-719-942-19 s LED LB-402VK D103 8-719-942-19 s LED LB-402VK	C3 1-162-290-31 s CERAMIC 470PF 10% 50V C4 1-162-290-31 s CERAMIC 470PF 10% 50V CN1 1-562-708-11 o CONNECTOR, 13P, FEMALE
D104 8-719-942-19 s LED LB-402VK D105 8-719-902-27 s LED EBR3402S, RED	CN2 1-564-005-00 o CONNECTOR, 6P, MALE CN3 1-564-003-00 o CONNECTOR, 4P, MALE CN4 1-564-002-00 o CONNECTOR, 3P, MALE
IC101 8-749-900-36 s IC BX-1393	CN5 1-564-004-00 o CONNECTOR, 5P, MALE
Q101 8-729-900-63 s TRANSISTOR DTA124ES Q102 8-729-117-54 s TRANSISTOR 2SA1175-F S101 1-552-539-00 s SWITCH, TACTILE S102 1-552-539-00 s SWITCH, TACTILE	Q1 8-729-820-03 s TRANSISTOR 2SB1140-S 15)Q2 8-729-201-04 s TRANSISTOR 2SC2878-A 16)Q2 8-729-140-96 s TRANSISTOR 2SD774-34 Q3 8-729-820-03 s TRANSISTOR 2SB1140-S 15)Q4 8-729-384-46 s TRANSISTOR 2SA844-C
	16)Q4 8-729-140-97 s TRANSISTOR 2SB734-34 Q5 8-729-820-03 s TRANSISTOR 2SB1140-S 15)Q6 8-729-201-04 s TRANSISTOR 2SC2878-A 16)Q6 8-729-140-96 s TRANSISTOR 2SD774-34 Q7 8-729-820-03 s TRANSISTOR 2SB1140-S
	15)Q8 8-729-384-46 s TRANSISTOR 2SA844-C 16)Q8 8-729-140-97 s TRANSISTOR 2SB734-34 R5 A1-216-365-00 s METAL 0.47 5% 2W

DUS-175	5 BOARD
Ref. No or Q'ty	o. Part No. SP Description
1pc	1-626-313-11 o PRINTED CIRCUIT BOARD, DUS-175
C5	1-162-290-31 s CERAMIC 470PF 10% 50V
C6	1-162-290-31 s CERAMIC 470PF 10% 50V
15) C7	1-161-021-11 s ELECT 0.047uF 10% 25V
15) C7 16) C7	1-126-101-11 s ELECT 100uF 20% 16V
CN1	1-562-708-11 o CONNECTOR, 13P, FEMALE
CN2	1-564-005-00 o CONNECTOR, 6P, MALE
CN3	1-564-004-00 o CONNECTOR, 5P, MALE
CN4	
CN5	1-564-003-00 o CONNECTOR, 4P, MALE
CN6	1-564-002-00 o CONNECTOR, 3P, MALE
	8-729-820-03 s TRANSISTOR 2SB1140-S
	8-729-201-04 s TRANSISTOR 2SC2878-A
	8-729-140-96 s TRANSISTOR 2SD774-34
	8-729-820-03 s TRANSISTOR 2SB1140-S
15) Q4	8-729-384-46 s TRANSISTOR 2SA844-C
16) Q4	8-729-140-97 s TRANSISTOR 2SB734-34
Q5	8-729-820-03 s TRANSISTOR 2SB1140-S
15) 06	8-729-201-04 s TRANSISTOR 2SC2878-A
16) Q6	8-729-140-96 s TRANSISTOR 2SD774-34
Q7	8-729-820-03 s TRANSISTOR 2SB1140-S
	8-729-384-46 s TRANSISTOR 2SA844-C
16) Q8	8-729-140-97 s TRANSISTOR 2SB734-34
R5	⚠ 1-216-365-00 s METAL 0.47 5% 2W

EN-66A B	OARD
Ref. No.	Part No. SP Description
1pc 1pc 1pc 1pc	A-6711-981-A O MOUNTED CIRCUIT BOARD, EN-66A 3-682-613-00 O CLIP (C), ANCHOR 4-835-134-00 s SCREW, TD 3.8X2.5 3-725-099-01 O LID, EN CASE (1)
C13 C21 C26 C27 C28	1-123-661-00 s ELECT 100uF 20% 6.3V 1-126-233-11 s ELECT 22uF 20% 50V 1-162-876-11 s CERAMIC 75PF 5% 50V 1-126-233-11 s ELECT 22uF 20% 50V 1-126-233-11 s ELECT 22uF 20% 50V
C34 10) C37 9) C40 10) C40 C54	1-124-261-00 s ELECT 10uF 20% 50V
C55 C67 10) C68 C72 C73	1-124-589-11 s ELECT 47uF 20% 16V 1-124-589-11 s ELECT 47uF 20% 16V 1-126-157-11 s FLECT 10uF 20% 16V
C111 C113	1-123-875-11 s ELECT 10uF 20% 50V 1-123-661-00 s ELECT 100uF 20% 6.3V 1-124-584-00 s ELECT 100uF 20% 10V 1-163-037-11 s CERAMIC, CHIP 0.022uF 5% 25V 1-124-589-11 s ELECT 47uF 20% 16V
C131	1-123-661-00 s ELECT 100uF 20% 6.3V 1-124-584-00 s ELECT 100uF 20% 10V 1-163-037-11 s CERAMIC, CHIP 0.022uF 5% 25V 1-124-589-11 s ELECT 47uF 20% 16V 1-124-589-11 s ELECT 47uF 20% 16V
C146 C150 C152 C156	1-124-589-11 s ELECT 47uF 20% 16V 1-124-234-00 s ELECT 22uF 20% 16V 1-163-809-11 s CERAMIC, CHIP (). 047uF 10% 25V 1-124-234-00 s ELECT 22uF 20% 16V 1-163-809-11 s CERAMIC, CHIP (). 047uF 10% 25V
C162 C164 C168	1-124-234-00 s ELECT 22uF 20% 16V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-124-234-00 s ELECT 22uF 20% 16V 1-163-809-11 s CERAMIC, CHIP 0.047uF 10% 25V 1-162-732-11 s CERAMIC 820PF 1% 50V
C186 C190 C191	1-162-732-11 s CERAMIC 820PF 1% 50V 1-123-661-00 s ELECT 100uF 20% 6.3V 1-123-661-00 s ELECT 100uF 20% 6.3V 1-123-661-00 s ELECT 100uF 20% 6.3V 1-124-584-00 s ELECT 100uF 20% 10V
C194 C305 9) C313	1-123-661-00 s ELECT 100uF 20% 6.3V 1-124-584-00 s ELECT 100uF 20% 10V 1-123-875-11 s ELECT 10uF 20% 50V 1-123-875-11 s ELECT 10uF 20% 50V 1-126-157-11 s ELECT 10uF 20% 16V
10) C316 C318 C333	1-123-875-11 s ELECT 10uF 20% 50V 1-126-157-11 s ELECT 10uF 20% 16V 1-126-233-11 s ELECT 22uF 20% 50V 1-124-589-11 s ELECT 47uF 20% 16V 1-163-119-00 s CERAMIC, CHIP 120PF 5% 50V
C353	1-123-875-11 s ELECT 10uF 20% 50V 1-162-881-11 s CERAMIC 150PF 5% 50V 1-124-499-11 s ELECT, NONPOLAR 1uF 20% 50V

(EN-66A BOARD) (EN-66A BOARD) Ref. No. Ref. No. or O'ty Part No. SP Description or O'ty Part No. SP Description 1-124-499-11 s ELECT, NONPOLAR 1uF 20% 50V 1-124-589-11 s ELECT 47uF 20% 16V 1-535-178-00 s BEAD, FERRITE 1-535-178-00 s BEAD, FERRITE C379 FR1 C381 FB2 1-123-875-11 s ELECT 10uF 20% 50V 1-535-178-00 s BEAD, FERRITE C384 FR4 1-124-589-11 s ELECT 47uF 20% 16V C385 FB5 1-535-178-00 s BEAD, FERRITE 9) C386 1-124-499-11 s ELECT, NONPOLAR 1uF 20% 50V 1-535-178-00 s BEAD, FERRITE FRE 10) C386 1-126-160-11 s ELECT 1 20% 50V FR7 1-535-178-00 s BEAD, FERRITE 1-124-589-11 s ELECT 47uF 20% 16V 1-535-178-00 s BEAD, FERRITE C388 FB8 1-124-589-11 s ELECT 47uF 20% 16V 1-124-589-11 s ELECT 47uF 20% 16V C390 FB9 1-535-178-00 s BEAD, FERRITE 1-535-178-00 s BEAD, FERRITE C391 FB10 C397 1-162-875-11 s CERAMIC 68PF 5% 50V FB11 1-535-178-00 s BEAD, FERRITE C403 1-124-589-11 s ELECT 47uF 20% 16V 1-535-178-00 s BEAD, FERRITE 1-124-589-11 s ELECT 47uF 20% 16V 1-123-875-11 s ELECT 10uF 20% 50V 1-535-178-00 s BEAD, FERRITE C407 FB302 1-535-178-00 s BEAD, FERRITE C408 FB304 C459 1-124-499-11 s ELECT, NONPOLAR 1uF 20% 50V 1-163-099-00 s CERAMIC, CHIP 18PF 5% 50V C461 FL1 1-235-322-11 s FILTER, LOW-PASS 1-236-059-11 s FILTER, LOW-PASS FL2 C462 1-126-233-11 s ELECT 22uF 20% 50V 1-235-321-11 s FILTER, LOW-PASS F1.3 1-126-233-11 s ELECT 22uF 20% 50V C463 FL4 1-236-058-11 s COMPOSITION CIRCUIT BLOCK C470 1-163-119-00 s CERAMIC, CHIP 120PF 5% 50V 1-236-058-11 s COMPOSITION CIRCUIT BLOCK 1-126-233-11 s ELECT 22uF 20% 50V 1-126-233-11 s ELECT 22uF 20% 50V C603 C613 FL301 1-235-181-00 s FILTER, BANDPASS 4, 43MHz 1-126-233-11 s ELECT 22uF 20% 50V C614 13) IC1 8-759-700-14 s IC NJM78M09A 8-759-982-34 s IC RC7809FA 14) IC1 1-506-475-11 o CONNECTOR, 10P, MALE 1-506-473-11 o CONNECTOR, 8P, MALE 8-752-320-32 s IC CXL5001P 8-759-208-10 s IC TC4053BPHB CN1 IC2 CN2 IC3 1-506-475-11 o CONNECTOR, 10P, MALE 8-759-200-60 s IC TA7060AP CN3 IC4 CN₄ 1-506-471-11 o CONNECTOR, 6P, MALE 8-759-902-21 s IC SN74LS221N CV301 1-141-260-00 s CAP, TRIMMER 50PF 8-759-901-23 s IC SN74LS123N IC7 8-759-990-82 s IC TL082CP 8-759-990-84 s IC TL084CN IC8 IC10 D1 8-719-101-23 s DIODE 1SS123 D2 8-719-101-23 s DIODE 1SS123 IC11 8-759-906-24 s IC SN74LS624N D3 8-719-101-23 s DIODE 1SS123 D4 8-719-101-23 s DIODE 1SS123 IC12 8-759-201-47 s IC TA7357AP 8-719-105-52 s DIODE RD3.6M-B2 IC13 8-759-103-19 s IC UPC319C D58-759-000-99 s IC MC74HC74N IC14 D6 8-719-101-23 s DIODE 1SS123 IC15 8-759-990-82 s IC TL082CP D7 8-719-101-23 s DIODE 1SS123 8-759-902-21 s IC SN74LS221N IC16 D15 8-719-101-23 s DIODE 1SS123 8-759-902-21 s IC SN74LS221N 8-719-100-03 s DIODE 1S2835 IC18 D301 8-759-902-21 s IC SN74LS221N 8-719-101-23 s DIODE 1SS123 D302 IC19 IC20 8-759-902-21 s IC SN74LS221N 8-759-902-21 s IC SN74LS221N D303 8-719-101-23 s DIODE 1SS123 IC21 8-759-202-11 s IC TC74HC00P 0305 8-719-101-23 s DIODE 1SS123 IC22 8-719-101-23 s DIODE 1SS123 D306 D307 8-719-101-23 s DIODE 1SS123 IC23 8-749-901-21 s IC BX1461 8-759-990-82 s IC TL082CP 8-719-100-05 s DIODE 1S2837 IC24 0308 1-464-608-21 s CIRCUIT UNIT. VCO IC25 8-759-902-21 s IC SN74LS221N D309 8-719-101-23 s DIODE 1SS123 IC26 8-759-902-21 s IC SN74LS221N D311 8-719-101-23 s DIODE 1SS123 IC27 8-719-104-10 s DIODE 1SS99 D313 8-719-104-10 s DIODE 1SS99 IC28 8-749-901-21 s IC BX1461 D314 1-464-608-21 s CIRCUIT UNIT, VCO 8-719-104-10 s DIODE 1SS99 TC30 D315 8-759-202-13 s IC TC74HCU04P IC31 D316 8-719-104-10 s DIODE 1SS99 IC33 8-759-922-29 s IC CX23084 8-759-202-21 s IC TC74HC32P 8-719-106-17 s DIODE RD6.8M-B2 IC35 1) D317 2) D317 8-719-106-09 s DIODE RD6.2M-B3 IC39 8-719-106-17 s DIODE RD6.8M-B2 8-752-320-39 s IC CXL5002P D318 D319 8-719-101-23 s DIODE 1SS123 IC40 8-752-320-32 s IC CXL5001P IC41 8-752-320-39 s IC CXL5002P 8-752-320-32 s IC CXL5001P IC42 8-719-101-23 s DIODE 1SS123 0320 8-759-208-08 s IC TC4052BPHB D322 8-719-101-23 s DIODE 1SS123 IC43 8-719-101-23 s DIODE 1SS123 8-719-101-23 s DIODE 1SS123 IC44 8-759-400-06 s IC AN608P D602 8-713-300-00 s DIODE 1T33 DEU3

(EN-66A	BOARD)	(EN-66A BOARD)
Ref. No.	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
1C45	8-759-400-06 s IC AN608P	L31 1-410-482-31 s INDUCTOR 100uH
1C301	8-759-201-47 s IC TA7357AP	L301 1-410-482-31 s INDUCTOR 100uH
1C302	8-759-902-21 s IC SN74LS221N	L302 1-410-482-31 s INDUCTOR 100uH
1C303	8-759-990-84 s IC TL084CN	L303 1-410-482-31 s INDUCTOR 100uH
1C304	8-759-729-03 s IC NJM2903D	L304 1-410-482-31 s INDUCTOR 100uH
IC305	8-759-202-11 s IC TC74HC00P	L305 1-410-482-31 s INDUCTOR 100uH
IC306	1-464-605-11 s CIRCUIT UNIT, ED	L306 1-410-471-11 s INDUCTOR 12uH
IC307	8-759-345-38 s IC HD14538BP	L307 1-410-482-31 s INDUCTOR 100uH
IC309	8-759-000-99 s IC MC74HC74N	L308 1-410-482-31 s INDUCTOR 100uH
IC310	8-759-902-21 s IC SN74LS221N	L309 1-410-482-31 s INDUCTOR 100uH
IC311	8-759-202-11 s IC TC74HC00P	L310 1-410-482-31 s INDUCTOR 100uH
IC312	8-759-208-10 s IC TC4030BPHB	L311 1-410-482-31 s INDUCTOR 100uH
IC313	8-759-920-14 s IC S-8053ALR	L312 1-410-470-11 s INDUCTOR 10uH
IC314	8-759-993-00 s IC CX7993A	L313 1-410-482-31 s INDUCTOR 100uH
IC315	8-759-204-94 s IC TC74HC00F	L314 1-410-482-31 s INDUCTOR 100uH
1C316	8-759-205-21 s IC TC74HC221F	L315 1-410-482-31 s INDUCTOR 100uH
1C319	8-759-200-60 s IC TA7060AP	L316 1-410-482-31 s INDUCTOR 100uH
1C320	8-759-200-60 s IC TA7060AP	L317 1-410-478-11 s INDUCTOR 47uH
1C321	8-759-202-11 s IC TC74HC00P	L318 1-410-478-11 s INDUCTOR 47uH
1C322	8-752-015-81 s IC CX20158	L319 1-410-482-31 s INDUCTOR 100uH
1C324	8-759-990-82 s IC TL082CP	L320 1-410-482-31 s INDUCTOR 100uH
1C325	8-759-208-10 s IC TC4053BPHB	L321 1-410-482-31 s INDUCTOR 100uH
1C326	8-759-990-84 s IC TL084CN	L322 1-410-482-31 s INDUCTOR 100uH
1C329	8-759-202-11 s IC TC74HC00P	L323 1-410-482-31 s INDUCTOR 100uH
1C332	8-759-906-59 s IC CX22017	L324 1-410-482-31 s INDUCTOR 100uH
1C334	8-749-938-90 s IC BX-389	L325 1-410-482-31 s INDUCTOR 100uH
1C340	8-759-708-02 s IC NJM78L02A	L327 1-410-071-11 s INDUCTOR 10mH
1C341	8-759-700-64 s IC NJM79L03A	L328 1-410-071-11 s INDUCTOR 10mH
1C601	8-759-902-21 s IC SN74LS221N	L330 1-410-482-31 s INDUCTOR 100uH
1C602	8-759-990-84 s IC TL084CN	L331 1-410-482-31 s INDUCTOR 100uH
1C603	8-759-902-21 s IC SN74LS221N	L332 1-410-482-31 s INDUCTOR 100uH L333 1-410-482-31 s INDUCTOR 100uH
L4	1-410-482-31 s INDUCTOR 100uH	LV301 1-407-571-00 s COIL, VAR 22uH LV601 1-407-567-00 s COIL, VAR 4.7uH
L5 L7 L8 L9 L10 L11	1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH	01 8-729-271-22 s TRANSISTOR 2SC2712-G 02 8-729-271-22 s TRANSISTOR 2SC2712-G 03 8-729-271-22 s TRANSISTOR 2SC2712-G 04 8-729-271-22 s TRANSISTOR 2SC2712-G 05 8-729-271-22 s TRANSISTOR 2SC2712-G
L12 L13 L16 L17 L18	1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH	Q6 8-729-271-22 s TRANSISTOR 2SC2712-G Q7 8-729-271-22 s TRANSISTOR 2SC2712-G Q8 8-729-271-22 s TRANSISTOR 2SC2712-G Q9 8-729-102-07 s TRANSISTOR 2SC2223-F13 Q10 8-729-102-07 s TRANSISTOR 2SC2223-F13 Q11 8-729-102-07 s TRANSISTOR 2SC2223-F13
L19	1-410-482-31 s INDUCTOR 100uH	012 8-729-102-07 \$ TRANSISTOR 2SC2223-F13
L20	1-410-482-31 s INDUCTOR 100uH	013 8-729-122-63 \$ TRANSISTOR 2SC2223-F13
L21	1-410-482-31 s INDUCTOR 100uH	014 8-729-102-07 \$ TRANSISTOR 2SC2223-F13
L22	1-410-482-31 s INDUCTOR 100uH	015 8-729-122-63 \$ TRANSISTOR 2SC2223-F13
L23	1-410-482-31 s INDUCTOR 100uH	016 8-729-102-07 \$ TRANSISTOR 2SC2223-F13
L25 L26 L27 L28 L29	1-410-482-31 s INDUCTOR 100uH 1-410-478-11 s INDUCTOR 47uH 1-410-478-11 s INDUCTOR 47uH 1-410-482-31 s INDUCTOR 100uH 1-410-482-31 s INDUCTOR 100uH	017 8-729-271-22 s TRANSISTOR 2SC2Z23-F13 017 8-729-271-22 s TRANSISTOR 2SC2712-G 018 8-729-271-22 s TRANSISTOR 2SC2712-G 019 8-729-271-22 s TRANSISTOR 2SC2712-G 020 8-729-271-22 s TRANSISTOR 2SC2712-G

(EN-66A BOARD)

Ref. No.	Part No. SP Description	Ref. No.	Part No. SP Description
Q21	8-729-271-22 s TRANSISTOR 2SC2712-G	0326	8-729-271-22 s TRANSISTOR 2SC2712-G
022	8-729-122-63 s TRANSISTOR 2SA1226-E4	Q327	8-729-271-22 s TRANSISTOR 25C2712-G
023	8-729-102-07 s TRANSISTOR 2SC2223-F13	Q328	8-729-271-22 s TRANSISTOR 2SC2712-G
024	8-729-102-07 s TRANSISTOR 2SC2223-F13	Q329	8-729-271-22 s TRANSISTOR 2SC2712-G
Q25	8-729-122-63 s TRANSISTOR 2SA1226-E4	0331	8-729-901-06 s TRANSISTOR DTA144EK
Q26	8-729-122-63 s TRANSISTOR 2SA1226-E4	0333	8-729-216-21 s TRANSISTOR 2SA1162-Y
027	8-729-271-22 s TRANSISTOR 2SC2712-G	Q334 Q335	8-729-109-42 s TRANSISTOR 2SK94-X2 8-729-271-22 s TRANSISTOR 2SC2712-G
028 029	8-729-271-22 s TRANSISTOR 2SC2712-G 8-729-271-22 s TRANSISTOR 2SC2712-G	0336	8-729-271-22 s TRANSISTOR 25C2712-G
Q30	8-729-271-22 s TRANSISTOR 2SC2712-G	Q337	8-729-109-42 s TRANSISTOR 25K94-X2
Q31	8-729-271-22 s TRANSISTOR 2SC2712-G	0338	8-729-271-22 s TRANSISTOR 2SC2712-G
Q32	8-729-200-87 s TRANSISTOR 2SC2714-Y	0339	8-729-271-22 s TRANSISTOR 2SC2712-G
Q43	8-729-216-21 s TRANSISTOR 2SA1162-Y	0340	8-729-271-22 s TRANSISTOR 2SC2712-G
Q44	8-729-216-21 s TRANSISTOR 2SA1162-Y	Q341	8-729-901-06 s TRANSISTOR DTA144EK
Q45	8-729-216-21 s TRANSISTOR 2SA1162-Y	Q342	8-729-271-22 s TRANSISTOR 2SC2712-G
046	8-729-216-21 s TRANSISTOR 2SA1162-Y	0343	8-729-271-22 s TRANSISTOR 2SC2712-G
047	8-729-216-21 s TRANSISTOR 2SA1162-Y	0344	8-729-271-22 s TRANSISTOR 2SC2712-G
Q48 Q49	8-729-216-21 s TRANSISTOR 25A1162-Y 8-729-216-21 s TRANSISTOR 25A1162-Y	Q345 Q346	8-729-271-22 s TRANSISTOR 2SC2712-G 8-729-271-22 s TRANSISTOR 2SC2712-G
Q50	8-729-216-21 s TRANSISTOR 2SA1162-Y	Q347	8-729-271-22 s TRANSISTOR 25C2712-G
Q51	8-729-109-42 s TRANSISTOR 2SK94-X2	0348	8-729-271-22 s TRANSISTOR 2SC2712-G
Q52 Q53	8-729-271-22 s TRANSISTOR 2SC2712-G 8-729-271-22 s TRANSISTOR 2SC2712-G	Q349 Q350	8-729-271-22 s TRANSISTOR 2SC2712-G 8-729-271-22 s TRANSISTOR 2SC2712-G
Q54	8-729-271-22 \$ TRANSISTOR 25C2712-G	Q351	8-729-271-22 s TRANSISTOR 2SC2712-G
Q55	8-729-271-22 s TRANSISTOR 2SC2712-G	Q352	8-729-202-38 s TRANSISTOR 2SC3326N-A
Q56	8-729-109-42 s TRANSISTOR 2SK94-X2	Q356	8-729-202-38 s TRANSISTOR 2SC3326N-A
Q57	8-729-271-22 s TRANSISTOR 2SC2712-G	Q358	8-729-901-06 s TRANSISTOR DTA144EK
Q58	8-729-271-22 s TRANSISTOR 2SC2712-G	Q359	8-729-271-22 s TRANSISTOR 2SC2712-G
Q59	8-729-271-22 s TRANSISTOR 2SC2712-G	Q360 Q361	8-729-102-07 s TRANSISTOR 2SC2223-F13 8-729-102-07 s TRANSISTOR 2SC2223-F13
Q60	8-729-271-22 s TRANSISTOR 2SC2712-G	4201	
061	8-729-271-22 s TRANSISTOR 2SC2712-G	Q362	8-729-102-07 s TRANSISTOR 2SC2223-F13
Q62	8-729-901-01 s TRANSISTOR DTC144EK	0363	8-729-109-42 s TRANSISTOR 25K94-X2
Q63 Q64	8-729-901-06 s TRANSISTOR DTA144EK 8-729-109-43 s TRANSISTOR 25K94-X3	0364 0365	8-729-901-01 s TRANSISTOR DTC144EK 8-729-201-27 s TRANSISTOR 2SC2715-Y
Q301	8-729-109-43 \$ TRANSISTOR 25K94-X2	0366	8-729-271-22 s TRANSISTOR 2SC2712-G
			0 700 071 00 - TDAYCICTOD 0007110 C
Q302 Q303	8-729-122-63 s TRANSISTOR 2SA1226-E4 8-729-901-01 s TRANSISTOR DTC144EK	Q367 Q368	8-729-271-22 s TRANSISTOR 2SC2712-G 8-729-202-38 s TRANSISTOR 2SC3326N-A
0304	8-729-901-01 s TRANSISTOR DTC144EK	0601	8-729-122-63 s TRANSISTOR 2SA1226-E4
Q305	8-729-901-01 s TRANSISTOR DTC144EK	0602	8-729-102-07 s TRANSISTOR 2SC2223-F13
Q307	8-729-271-22 s TRANSISTOR 2SC2712-G	Q603	8-729-109-43 s TRANSISTOR 2SK94-X3
0309	8-729-271-22 s TRANSISTOR 2SC2712-G	Q604	8-729-271-22 s TRANSISTOR 2SC2712-G
0310	8-729-271-22 s TRANSISTOR 2SC2712-G	Q605	8-729-271-22 s TRANSISTOR 2SC2712-G
Q311	8-729-102-07 s TRANSISTOR 2SC2223-F13	0100	+ 010 000 00 NETTY CHIP 000 FW 1 (10)
Q312 Q313	8-729-102-07 s TRANSISTOR 2SC2223-F13 8-729-102-07 s TRANSISTOR 2SC2223-F13	R120 R502	1-216-038-00 s METAL, CHIP 360 5% 1/10W 1-216-748-11 s METAL, CHIP 39K 1% 1/10W
		1002	1 210 PAG 11 S HEINE, CHIT DON 1% 1710
Q314	8-729-102-07 s TRANSISTOR 2SC2223-F13	RV1	1-228-995-00 s RES, ADJ, METAL 22K
Q315	8-729-122-63 s TRANSISTOR 2SA1226-E4	RV2	1-228-990-00 s RES, ADJ, METAL IK
Q316 Q317	8-729-102-07 s TRANSISTOR 2SC2223-F13 8-729-122-63 s TRANSISTOR 2SA1226-E4	RV3 RV4	1-228-989-00 s RES, ADJ, METAL 470 1-228-994-00 s RES, ADJ, METAL 10K
Q318	8-729-102-07 s TRANSISTOR 2SC2223-F13	RV5	1-228-991-00 s RES, ADJ, METAL 2-2K
Q319	8-729-271-22 s TRANSISTOR 2SC2712-G	RV6	1-228-990-00 s RES, ADJ, METAL 1K 1-228-993-00 s RES, ADJ, METAL 4.7K
Q320 Q321	8-729-271-22 s TRANSISTOR 2SC2712-G 8-729-271-22 s TRANSISTOR 2SC2712-G	RV7 RV8	1-228-993-00 s RES, ADJ, METAL 4.7K
0322	8-729-271-22 s TRANSISTOR 2SC2712-G	RV9	1-228-993-00 s RES, ADJ, METAL 4.7K
0323	8-729-271-22 s TRANSISTOR 2SC2712-G	RV10	1-228-994-00 s RES, ADJ, METAL 10K
0324	8-729-102-07 s TRANSISTOR 2SC2223-F13	RV11	1-228-991-00 s RES, ADJ, METAL 2.2K
Q325	8-729-271-22 s TRANSISTOR 25C2712-G		and the state of t
NOTE: PI	ease see the General Purpose Electrical List		

(EN-66A BOARD)

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Ref. No.		
or Q'ty	Part No. SP	Description
0. 4 0		, , , , , , , , , , , , , , , , , , ,
RV12	1-228-994-00 s	RES, ADJ, METAL 10K
RV12	1-228-994-00 s	RES, ADJ, METAL 10K
RV14	1-228-991-00 s	RES, ADJ, METAL 2.2K
RV15	1-228-995-00 s	RES, ADJ, METAL 22K
RV16	1-228-991-00 s	RES, ADJ, METAL 2.2K
RV17	1-228-995-00 s	RES, ADJ, METAL 22K
RV19	1-228-995-00 s	RES, ADJ, METAL 22K
RV21	1-228-995-00 s	RES, ADJ, METAL 22K
RV22	1-228-991-00 s	RES, ADJ, METAL 2.2K
RV23	1-228-991-00 s	
NV23	1-220-331-00 8	RES, ADJ, METAL 2.2K
DELO 4	4 000 000 00	DDG 4D7 150041 415
RV24	1-228-990-00 s	RES, ADJ, METAL 1K
RV25	1-2 28- 994-00 s	RES, ADJ, METAL 10K
RV26	1-228-997-00 s	RES, ADJ, METAL 100K
RV301	1-228-995-00 s	RES, ADJ, METAL 22K
11) RV302	1-228-995-00 s	RES, ADJ, METAL 22K
11/11/002	1 220 000 00 5	ttoo, noo, marine 2211
12) RV302	1-228-996-00 s	RES, ADJ, METAL 47K
RV304		RES, ADJ, METAL 470
RV305	1-228-993-00 s	RES, ADJ, METAL 4.7K
RV306	1-228-993-00 s	RES, ADJ, METAL 4.7K
RV307	1-228-991-00 s	RES, ADJ, METAL 2.2K
RV308	1-228-994-00 s	RES, ADJ, METAL 10K
RV311	1-228-991-00 s	RES, ADJ, METAL 2. 2K
RV312	1-228-994-00 s	RES, ADJ, METAL 10K
RV313	1-2 28- 994-00 s	RES, ADJ, METAL 10K
RV314	1-228-994-00 s	RES, ADJ, METAL 10K
RV315	1-228-994-00 s	RES, ADJ, METAL 10K
RV316		RES, ADJ, METAL 47K
RV317	1-228-996-00 s	RES, ADJ, METAL 47K
RV318		
RV319	1-228-991-00 s	RES, ADJ, METAL 2.2K
00000	1 000 000 00	DDG ADI MEMAS 4 717
RV320		RES, ADJ, METAL 4.7K
RV321	1-228-991-00 s	RES, ADJ, METAL 2.2K
RV322	1-228-989-00 s	RES, ADJ, METAL 470
RV323	1-228-989-00 s	RES, ADJ, METAL 470
RV324	1-228-990-00 s	RES, ADJ, METAL 1K
11.1021	1 220 000 00 0	1100, 1100, 1101110 111
RV325	1-228-990-00 s	RES, ADJ, METAL 1K
RV326	1-230-682-11 s	RES, ADJ, CARBON 1M
RV327	1-228-989-00 s	RES, ADJ, METAL 470
RV328		RES, ADJ, METAL 1K
RV329	1-228-991-00 s	RES, ADJ, METAL 2.2K
RV330	1-228-990-00 s	RES, ADJ, METAL 1K
RV331		RES, ADJ, METAL 10K
RV601		
MAOOT	1-220-334-00 S	RES, ADJ, METAL 10K
01	1 500 000 11	OULT MALL OLIVE
S1	1-570-863-11 s	
S2	1-570-863-11 s	SWITCH, SLIDE
S301	1-570-863-11 s	
S303	1-570-863-11 s	SWITCH, SLIDE
S304	1-570-863-11 s	SWITCH, SLIDE
		Darron, Darro
S305	1-570-863-11 s	SMITCH CLIDS
	1-570-003-11 S	OWLIGH, OLIVE
S306	1-570-863-11 s	Smiller, Stide
mir-	1 000 100 111	mumpuromon - · · ·
TH1	1-800-198-XX s	THERMISTOR S-1K
X1		CRYSTAL, 10.664135MHz
X302		CRYSTAL 4.433618MHz

HP-38 BOARD

Ref. No.
or Q'ty Part No. SP Description

1-626-307-11 o PRINTED CIRCUIT BOARD, HP-38

J1 1-507-863-31 s JACK, LARGE TYPE

RV1 1-238-182-11 s RES, VAR, CARBON 20K/20K

KY-130 BOARD (KY-130 BOARD) Ref. No. Ref. No. or Q'ty Part No. SP Description or Q'ty Part No. SP Description A-6717-494-A o MOUNTED CIRCUIT BOARD, KY-130 8-729-900-63 s TRANSISTOR DTA124ES 1pc 1-564-026-00 s CONTACT, FEMALE, AVG24-30 8-729-900-63 s TRANSISTOR DTA124ES 07 1pc 3-725-032-01 o HOLDER, SJA 8-729-900-63 s TRANSISTOR DTA124ES 1pc 08 3-659-487-00 s HOLDER, BUZZER 8-729-900-63 s TRANSISTOR DTA124ES 7pcs 09 3-659-488-00 s PIN, BUZZER HOLDER 7pcs 010 8-729-900-63 s TRANSISTOR DTA124ES 2-114-405-01 o HOLDER, LED 011 8-729-900-63 s TRANSISTOR DTA124ES 1pc 3-725-025-01 o HOLDER, 7-SEG 012 8-729-900-63 s TRANSISTOR DTA124ES 4pcs 1-507-195-21 s JACK, REMOTE 013 8-729-900-63 s TRANSISTOR DTA124ES 1pc 8-729-900-63 s TRANSISTOR DTA124ES 014 8-729-900-63 s TRANSISTOR DTA124ES C2 1-101-006-00 s CERAMIC 0.047uF 50V 015 1-124-589-11 s ELECT 47uF 20% 16V C3C4 1-162-294-31 s CERAMIC 0.001uF 10% 50V 8-729-900-63 s TRANSISTOR DTA124ES 1-162-211-31 s CERAMIC 33PF 5% 50V 8-729-900-G3 s TRANSISTOR DTA124ES **C6** 017 **C7** 1-162-211-31 s CERAMIC 33PF 5% 50V 018 8-729-178-54 s TRANSISTOR 2SC2785-F **C8** 1-124-589-11 s ELECT 47uF 20% 16V R1 1-247-700-11 s CARBON 100 5% 1/4W C9 1-101-006-00 s CERAMIC 0.047uF 50V 1-161-494-00 s CERAMIC 0.022uF 25V S1 1-516-995-00 s SWITCH, LEVER SLIDE C10 C11 1-124-589-11 s ELECT 47uF 20% 16V 1-571-116-11 s SWITCH, LEVER SLIDE 1-516-995-00 s SWITCH. LEVER SLIDE \$3 CN₂ 1-564-002-00 o CONNECTOR, 3P, MALE S9 1-552-539-00 s SWITCH, TACTILE 1-564-011-21 o CONNECTOR, 12P, MALE 1-552-539-00 s SWITCH. TACTILE CN3 \$10 1-564-002-00 o CONNECTOR, 3P, MALE CN4 1-564-009-00 o CONNECTOR, 10P, MALE 1-564-009-00 o CONNECTOR, 10P, MALE CN₅ S11 1-552-539-00 s SWITCH, TACTILE 1-552-539-00 s SWITCH, TACTILE CN6 S13 514 1-552-539-00 s SWITCH, TACTILE CN7 1-564-002-00 o CONNECTOR, 3P, NALE 1-552-539-00 s SWITCH, TACTILE S15 1-552-539-00 s SWITCH, TACTILE S16 D2 8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119 D3 2)517 1-570-863-11 s SWITCH, SLIDE 8-719-911-19 s DIODE 1SS119 04 06 8-719-911-19 s DIODE 1SS119 X1 1-567-143-00 s RESONATOR, CERAMIC 6.00MHz 8-719-911-19 s DIODE 1SS119 D7 **D8** 8-719-911-19 s DIODE 1SS119 09 8-719-911-19 s DIODE ISS119 8-719-800-86 s LED TLG255, GRN D10 D11 8-719-939-39 s LED GL5HD8, RED 8-719-939-39 s LED GL5HD8, RED 012 8-719-939-39 s LED GL5HD8, RED D13 8-719-939-39 s LED GL5HD8, RED D14 D15 8-719-939-39 s LED GL5HD8, RED D16 8-719-939-39 s LED GL5HD8, RED 8-719-939-39 s LED GL5HD8, RED D17 D18 8-719-800-86 s LED TLG255. GRN 3)D101 8-719-942-19 s LED LB-402VK 8-719-975-23 s LED LB-4021VK1 4)D1013)0102 8-719-942-19 s LED LB-402VK 8-719-975-23 s LED LB-4021VK1 4)0102 3)0103 8-719-942-19 s LED LB-402VK 8-719-975-23 s LED LB-4021VK1 4)0103 3)0104 8-719-942-19 s LED LB-402\k 8-719-975-23 s LED LB-4021VK1 4)D104 IC1 8-759-973-69 s IC M888505-650M 8-729-117-54 s TRANSISTOR 2SA1175-F 01 8-729-117-54 s TRANSISTOR 2SA1175-F Q203 8-729-117-54 s TRANSISTOR 2SA1175-F 8-729-900-36 s TRANSISTOR DTC124ES 04 05 8-729-900-63 s TRANSISTOR DTA124ES

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LED-58 BOARD
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Ref. No.

or Q'ty Part No. SP Description

1-626-316-11 o PRINTED CIRCUIT BOARD, LED-58

D301 8-719-945-82 s D10DE GL5HS42

PC-33 BOARD

Ref. No.

or Q'ty Part No. SP Description

1-622-604-11 o PRINTED CIRCUIT BOARD, PC-33

D1 8-719-800-81 s PHOTOINTERRUPTER TLP801A

PC-41 BOARD

Ref. No.

or Q'ty Part No. SP Description

1-623-267-11 o PRINTED CIRCUIT BOARD, PC-41

D1 8-719-800-81 s PHOTOINTERRUPTER TLP801A

PC-47 BOARD

Ref. No.

or Q'ty Part No. SP Description

1-628-786-11 o PRINTED CIRCUIT BOARD, PC-47

D1 8-719-800-81 s PHOTOINTERRUPTER TLP801A

PD-35 BOARD

Ref. No.

or Q'ty Part No. SP Description

1-622-596-11 o PRINTED CIRCUIT BOARD, PD-35

PTC-15 BOARD

Ref. No.

or Q'ty Part No. SP Description

1-622-597-11 o PRINTED CIRCUIT BOARD, PTC-15

D1 8-719-800-81 s PHOTOINTERRUPTER TLP801A

D2 8-719-800-81 s PHOTOINTERRUPTER TLP801A

PTC-20 BOARD

Ref. No.

or Q'ty Part No. SP Description

1-622-598-11 o PRINTED CIRCUIT BOARD, PTC-20

Q1 8-729-116-45 s PHOTOTRANSISTOR PH110

Q2 8-729-116-45 s PHOTOTRANSISTOR PH110

Q3 8-729-116-45 s PHOTOTRANSISTOR PH110

PTC-21 BOARD	SV-99 BOARD
770 21 0000	
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
1-622-599-11 o PRINTED CIRCUIT BOARD, PTC-21	1pc A-6715-405-A o MOUNTED CIRCUIT BOARD, SV-99
D1 8-719-800-81 s PHOTOINTERRUPTER TLP801A D2 8-719-800-81 s PHOTOINTERRUPTER TLP801A	C23 1-126-233-11 s ELECT 22uF 20% 50V C25 1-162-286-31 s CERAMIC 220PF 10% 50V C28 1-131-347-00 s TANTALUM 1uF 10% 35V C29 1-131-347-00 s TANTALUM 1uF 10% 35V C37 1-162-282-31 s CERAMIC 100PF 10% 50V
PTC-31 BOARD	C39 1-123-332-00 s ELECT 47uF 20% 25V
Ref. No. or Q'ty Part No. SP Description	C40 1-162-290-31 s CERAMIC 470PF 10% 50V C45 1-162-282-31 s CERAMIC 100PF 10% 50V C46 1-162-282-31 s CERAMIC 100PF 10% 50V
1-622-607-11 o PRINTED CIRCUIT BOARD, PTC-31	C47 1-162-282-31 s CERAMIC 100PF 10% 50V
D1 8-719-941-47 s PHOTOSENSOR GP2S05	C48 1-162-282-31 s CERAMIC 100PF 10% 50V C49 1-123-875-11 s ELECT 10uF 20% 50V C56 1-161-494-00 s CERAMIC 0.022uF 25V C57 1-162-206-31 s CERAMIC 20PF 5% 50V C58 1-162-206-31 s CERAMIC 20PF 5% 50V
PTC-36 BOARD	C65 1-162-282-31 s CERAMIC 100PF 10% 50V
Ref. No. or Q'ty Part No. SP Description	C67 1-162-282-31 s CERAMIC 100PF 10% 50V C71 1-162-290-31 s CERAMIC 470PF 10% 50V C72 1-162-290-31 s CERAMIC 470PF 10% 50V
1-622-601-11 o PRINTED CIRCUIT BOARD, PTC-36	C73 1-162-290-31 s CERAMIC 470PF 10% 50V
D1 8-719-123-69 s DIODE SE310 D2 8-719-123-69 s DIODE SE310	C74
03 8-719-123-69 s DIODE SE310	C77 1-161-494-00 s CERAMIC 0.022uF 25V C78 1-161-494-00 s CERAMIC 0.022uF 25V
R1 1-249-409-11 s CARBON 220 5% 1/4W R2 1-249-409-11 s CARBON 220 5% 1/4W R3 1-249-409-11 s CARBON 220 5% 1/4W	C80 1-161-494-00 s CERAMIC 0.022uF 25V C81 1-161-494-00 s CERAMIC 0.022uF 25V C82 1-161-494-00 s CERAMIC 0.022uF 25V C83 1-161-494-00 s CERAMIC 0.022uF 25V C84 1-161-494-00 s CERAMIC 0.022uF 25V
RM-40 BOARD	C85 1-161-494-00 s CERANIC 0.022uF 25V
Ref. No.	C86 1-161-494-00 s CERAMIC 0.022uF 25V C88 1-161-494-00 s CERAMIC 0.022uF 25V
or Q'ty Part No. SP Description	C89 1-161-494-00 s CERAMIC 0.022uF 25V C90 1-161-494-00 s CERAMIC 0.022uF 25V
1-622-605-11 o PRINTED CIRCUIT BOARD, RM-40	C91 1-161-494-00 s CERANIC 0.022uF 25V
C1 1-102-363-00 s CERANIC 0.001uF 50V C2 1-102-363-00 s CERANIC 0.001uF 50V CN3 1-562-708-11 o SOCKET, CONNECTOR 13P	C92 1-161-494-00 S CERAMIC 0.022uF 25V C93 1-161-494-00 S CERAMIC 0.022uF 25V C94 1-161-494-00 S CERAMIC 0.022uF 25V C95 1-161-494-00 S CERAMIC 0.022uF 25V
	C96 1-161-494-00 s CERAMIC 0.022uF 25V
	C97
	C101 1-161-494-00 s CERAMIC 0.022uF 25V C102 1-123-875-11 s ELECT 10uF 20% 50V C108 1-161-494-00 s CERAMIC 0.022uF 25V C109 1-161-494-00 s CERAMIC 0.022uF 25V C110 1-161-494-00 s CERAMIC 0.022uF 25V
	C111 1-161-494-00 s CERAMIC 0.022uF 25V C113 1-161-494-00 s CERAMIC 0.022uF 25V C114 1-161-494-00 s CERAMIC 0.022uF 25V C115 1-161-494-00 s CERAMIC 0.022uF 25V C150 1-162-282-31 s CERAMIC 100PF 10% 50V

(SV-99 BOARD) (SV-99 BOARD) Ref. No. Ref. No. or Q'ty Part No. SP Description or Q'ty Part No. SP Description 1-162-282-31 s CERAMIC 100PF 10% 50V C151 IC18 8-759-207-73 s IC TC4030BPHB 1-123-875-11 s ELECT 10uF 20% 50V C152 IC19 8-759-205-76 s IC TC504013BP C154 1-162-290-31 s CERAMIC 470PF 10% 50V IC20 8-752-321-00 s IC CXK5816PN-12L 1-162-290-31 s CERAMIC 470PF 10% 50V C156 1) IC21 8-759-746-19 s IC MBN27128-25 1-123-332-00 s ELECT 47uF 20% 25V C157 3) IC21 8-759-741-03 s IC BVW-22 SV-99 V1.6 1) C163 1-102-123-00 s CERAMIC 0.0033uF 10% 50V 4) IC21 8-759-742-82 s IC BVW-22SV-99 V1.71 1-161-327-00 s CERAMIC 3300PF 30% 16V 1-102-123-00 s CERAMIC 0.0033uF 10% 50V 8-759-734-82 s IC BVW-22 SV-99 V1.71 8-759-203-35 s IC TC74HC373P 2)C163 18) IC21 1)C164 IC22 1-161-327-00 s CERAMIC 3300PF 30% 16V 2)C164 IC23 8-759-113-03 s IC UPD78310CW IC24 8-759-202-89 s IC TC74HC139P 1-564-005-00 o CONNECTOR, 6P, MALE CN2 1-564-005-00 o CONNECTOR, 6P, MALE IC25 8-759-135-80 s IC UPC358C 1-564-003-00 o CONNECTOR, 4P, MALE CN3 1) IC26 8-752-324-40 s IC CXK1011P 1-564-002-00 o CONNECTOR, 3P, CN₅ MALE 2) IC26 8-752-330-59 s IC CXK1011P 8-759-202-12 s IC TC74HC02P CN6 1-564-004-00 o CONNECTOR, 5P, MALE. IC27 8-759-132-40 s IC UPC324C TC29 1-564-004-00 o CONNECTOR, 5P, CN7 MALE 1-564-003-00 o CONNECTOR, 4P, MALE CNR IC30 8-759-132-40 s IC UPC324C 8-759-135-80 s IC UPC358C CN9 1-564-007-00 o CONNECTOR, 8P, MALE IC31 8-759-203-35 s IC TC74HC373P CN10 1-564-005-00 o CONNECTOR, 6P, MALE IC32 CN11 1-564-009-00 o CONNECTOR, 10P, MALE 8-759-947-53 s IC S-8054ALR IC33 IC34 8-759-201-47 s IC TA7357AP CN12 1-564-002-00 o CONNECTOR, 3P, MALE CN13 1-564-005-00 o CONNECTOR, 6P, MALE IC35 8-759-135-80 s IC UPC358C CN14 1-564-002-00 o CONNECTOR, 3P. MALE 1-564-005-00 o CONNECTOR, 6P, MALE CN15 3)Q1 8-729-820-06 s TRANSISTOR 2SD1685-F CN16 1-564-009-00 o CONNECTOR, 10P, MALE 4)Q1 8-729-820-07 s TRANSISTOR 2SD1685-G 3)02 8-729-820-06 s TRANSISTOR 2SD1685-F D10 8-719-109-93 s DIODE RD6, 2ESB2 8-729-820-07 s TRANSISTOR 2SD1685-G 4)02 D13 8-719-911-19 s DIODE 1SS119 Q3 8-729-201-04 s TRANSISTOR 2SC2878-A 8-719-911-19 s DIODE 1SS119 D14 D15 8-719-911-19 s DIODE 1SS119 Q4 8-729-900-89 s TRANSISTOR DTC144ES 8-719-911-19 s DIODE 1SS119 D16 Q5 8-729-900-89 s TRANSISTOR DTC144ES 06 8-729-900-89 s TRANSISTOR DTC144ES D17 8-719-911-19 s DIODE 1SS119 Q7 8-729-900-89 s TRANSISTOR DTC144ES 8-719-911-19 s DIODE 1SS119 D18 Q8 8-729-900-89 s TRANSISTOR DTC144ES D21 8-719-911-19 s DIODE 1SS119 D22 8-719-911-19 s DIODE 1SS119 R61 1-247-876-11 s CARBON 75K 5% 1/4W D26 8-719-101-50 s DIODE RD5, 1EL2 R62 1-249-747-11 s CARBON 1.5M 5% 1/4W R64 1-249-747-11 s CARBON 1.5M 5% 1/4W D27 8-719-101-50 s DIODE RD5.1EL2 R67 1-247-883-00 s CARBON 150K 5% 1/4W D28 8-719-110-13 s DIODE RD9.1ESB2 1-247-846-11 s CARBON 4.3K 5% 1/4W R100 8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119 D30 R102 1-247-885-00 s CARBON 180K 5% 1/4W 8-719-911-19 s DIODE 1SS119 D31 R108 1-247-885-00 s CARBON 180K 5% 1/4W R113 1-247-895-00 s CARBON 470K 5% 1/4W D32 8-719-911-19 s DIODE 1SS119 1-247-887-00 s CARBON 220K 5% 1/4W R114 D33 8-719-911-19 s DIODE 1SS119 R116 1-247-887-00 s CARBON 220K 5% 1/4W D34 8-719-911-19 s DIODE 1SS119 R121 1-247-895-00 s CARBON 470K 5% 1/4W TC6 8-759-240-71 s IC TC4071BP R122 1-247-887-00 s CARBON 220K 5% 1/4W 8-759-705-58 s IC NJM4558D-D IC7 R124 1-247-887-00 s CARBON 220K 5% 1/4W IC8 8-759-729-03 s IC NJM2903D R129 1-247-895-00 s CARBON 470K 5% 1/4W 8-759-205-76 s IC TC504013BP IC9 R130 1-247-887-00 s CARBON 220K 5% 1/4W 8-759-135-80 s IC UPC358C IC10 R132 1-247-887-00 s CARBON 220K 5% 1/4W IC13 8-759-132-40 s IC UPC324C R137 1-247-895-00 s CARBON 470K 5% 1/4W IC14 8-759-132-40 s IC UPC324C 1-247-887-00 s CARBON 220K 5% 1/4W R138 8-759-729-03 s IC NJM2903D IC15 R140 1-247-887-00 s CARBON 220K 5% 1/4W IC16 8-759-729-03 s IC NJM2903D 1-247-903-00 s CARBON 1M 5% 1/4W R168 IC17 8-759-240-71 s IC TC4071BP R190 1-247-895-00 s CARBON 470K 5% 1/4W 1-247-895-00 s CARBON 470K 5% 1/4W R191 1-247-895-00 s CARBON 470K 5% 1/4W R192 R194 1-247-903-00 s CARBON 1M 5% 1/4W

NOTE: Please see the General Purpose Electrical List of capacitors and resistors that are not listed in the parts list.

R198

1-247-895-00 s CARBON 470K 5% 1/4W

(SV-99 BOARD)

Ref. No.	
or Q'ty	Part No. SP Description
R199	1-247-895-00 s CARBON 470K 5% 1/4W
R200	1-247-895-00 s CARBON 470K 5% 1/4W
R201	1-247-903-00 s CARBON 1M 5% 1/4W
R205	1-247-838-00 s CARBON 2K 5% 1/4W
R208	1-247-838-00 s CARBON 2K 5% 1/4W
R310	1-247-895-00 s CARBON 470K 5% 1/4W
R311	1-247-883-00 s CARBON 150K 5% 1/4W
R316	1-247-887-00 s CARBON 220K 5% 1/4W
RBI	1-231-410-00 s RESISTOR BLOCK 10Kx8
RB2	1-231-410-00 s RESISTOR BLOCK 10Kx8
RV1	1-230-504-11 s RES, ADJ, METAL 220
RV2	1-230-504-11 s RES, ADJ, METAL 220
RV3	1-228-996-00 s RES, ADJ, METAL 47K
S1 S2	1-552-539-00 s SWITCH, TACTILE
S2	1-552-539-00 s SWITCH, TACTILE
S3	1-570-857-11 s SWITCH, SLIDE
S4	1-570-857-11 s SWITCH, SLIDE
X1	1-567-865-11 s CRYSTAL, 12.00MHz

Part No. SP Description
A-6715-419-A o MOUNTED CIRCUIT BOARD, SV-117A
1-161-327-00 s CERAMIC 0.0033MF 30% 50V
1-131-343-00 s TANTALUM 0.22uF 10% 35V 1-131-386-00 s TANTALUM 33uF 10% 6.3V
1-131-386-00 s TANTALUM 33UF 10% 6.3V
1-131-348-00 s TANTALUM 1.5uF 10% 35V
1-131-348-00 s TANTALUM 1.5uF 10% 35V
1-131-386-00 s TANTALUM 33uF 10% 6.3V
1-131-386-00 s TANTALUM 33uF 10% 6.3V 1-131-347-00 s TANTALUM 1uF 10% 35V
1-131-368-00 s TANTALUM 3.3uF 10% 16V
1-131-368-00 s TANTALUM 3.3uF 10% 16V
1-131-372-00 s TANTALUM 15uF 10% 16V
1-131-381-00 s TANTALUM 47uF 10% 10V 1-131-341-00 s TANTALUM 0.1uF 10% 35V
1-131-341-00 \$ TANTALUM 10F 10% 35\
1-124-445-00 s ELECT 100 20% 16V 1-161-494-00 s CERAMIC 0.022uF 25V
1-161-494-00 s CERAMIC 0.0220F 25V
1-161-494-00 s CERAMIC 0.022uF 25V 1-161-494-00 s CERAMIC 0.022uF 25V
1-161-494-00 s CERAMIC 0.0224F 25V
1-161-494-00 s CERAMIC 0.022uF 25V
1-161-494-00 s CERAMIC 0.022uF 25V
1-50G-489-11 o CONNECTOR, 10P, MALE
8-719-911-19 s DIODE 1SS119
8-719-911-19 s DIODE 1SS119
8-719-911-19 s DIODE ISS119
8-719-911-19 s DIODE ISS119 8-719-911-19 s DIODE ISS119
8-759-202-24 s IC TC74HC86P
8-759-345-38 s IC HD14538BP
8-759-345-38 s IC HD145388P
8-759-340-13 s IC HD14013BP
8-759-340-46 s IC HD14046BP
8-759-208-10 s IC TC4053BPHB
8-759-132-40 s IC UPC324C 8-759-208-10 s IC TC4053BPHB
8-759-132-40 s 1C UPC324C
8-759-132-40 s IC UPC324C
1-410-071-11 s INDUCTOR 10mH
1-247-883-00 s CARBON 150K 5% 1/4W
1-247-887-00 s CARBON 220K 5% 1/4W
1-247-887-00 s CARBON 220K 5% 1/4W 1-247-895-00 s CARBON 470K 5% 1/4W
1-247-887-00 s CARBON 220K 5% 1/4W
1-247-887-00 s CARBON 220K 5% 1/4W
1-247-895-00 s CARBON 470K 5% 1/4W

(SV-117A BOARD)

Ref. No.

Ref. No. or Q'ty Part No. SP Description 1pc 1-626-314-11 o PRINTED CIRCUIT BOARD, SVD-2 C5 1-126-103-11 s ELECT 470uF 20% 16V 1-101-006-00 s CERAMIC 0.047uF 50V **C6 C7** 1-101-006-00 s CERAMIC 0.047uF 50V CN1 1-508-949-00 o CONNECTOR, 12P, MALE 1-564-005-00 o CONNECTOR, 6P, MALE CN2 CN3 1-564-002-00 o CONNECTOR, 3P, MALE 1-564-007-00 o CONNECTOR, 8P, MALE CN4 CN5 1-564-005-00 o CONNECTOR, 6P, MALE CN6 1-564-007-00 o CONNECTOR, 8P, MALE CN7 1-564-002-00 o CONNECTOR, 3P, MALE CN8 1-564-002-00 o CONNECTOR, 3P, MALE D1 8-719-911-19 s DIODE 1SS119 101 8-759-108-77 s IC CX877 Ll 1-459-155-00 s COIL 45uH 1-459-155-00 s COIL 45uH L2 08 8-729-201-04 s TRANSISTOR 2SC2878-A Q10 8-729-201-04 s TRANSISTOR 2SC2878-A 8-729-820-03 s TRANSISTOR 2SB1140-S 011 8-729-820-03 s TRANSISTOR 2SB1140-S Q12 **R6** 1-216-389-11 s METAL 1 5% 3₩ **R7** ⚠1-216-389-11 s METAL 1 5% 3W

SVD-2 BOARD

SW-274 BOARD

Ref. No.
or Q'ty Part No. SP Description

D201 8-719-911-19 s DIODE 1SS119
D202 8-719-911-19 s DIODE 1SS119

S201 1-552-539-00 s SWITCH, TACTILE
S202 1-552-539-00 s SWITCH, TACTILE

SY-121A BOARD -----Ref. No. or Q'ty Part No. SP Description A-6717-503-A o MOUNTED CIRCUIT BOARD, SY-121A C21-162-286-31 s CERAMIC 220PF 10% 50V C31-129-794-00 s FILM 0.0033uF 5% 100V **C6** 1-161-379-00 s CERAMIC 0.01uF 20% 25V C7 1-124-499-11 s ELECT, NONPOLAR 1uF 20% 50V C11 1-101-006-00 s CERAMIC 0.0470F 50V C14 1-101-006-00 s CERAMIC 0.047uF 50V C15 1-129-794-00 s FILM 0.0033uF 5% 100V 1-161-379-00 s CERAMIC 0.01uF 20% 25V C17 1-161-379-00 s CERAMIC 0.01uF 20% 25V C32 C33 1-162-205-31 s CERAMIC 18PF 5% 50V C34 1-126-176-11 s ELECT 220uF 20% 10V 1-161-375-00 s CERAMIC 0.0022uF 20% 50V C36 C37 1-161-494-00 s CERAMIC 0.022uF 25V C38 1-161-379-00 s CERAMIC 0.01uF 20% 25V C41 1-101-006-00 s CERAMIC 0.047uF 50V C42 1-162-201-31 s CERAMIC 12PF 5% 50V C43 1-162-201-31 s CERAMIC 12PF 5% 50V C44 1-161-494-00 s CERAMIC 0.022uF 25V C46 1-101-006-00 s CERAMIC 0.047uF 50V 1-101-006-00 s CERAMIC 0.047uF 50V C47 C48 1-101-006-00 s CERAMIC 0.047uF 50V C49 1-101-006-00 s CERAMIC 0.047uF 50V C50 1-101-006-00 s CERAMIC 0.047uF 50V C51 1-126-176-11 s ELECT 220uF 20% 10V C53 1-161-494-00 s CERAMIC 0.022uF 25V 1-161-494-00 s CERAMIC 0.022uF 25V C54 C55 1-101-006-00 s CERAMIC 0.047uF 50V C101 1-161-494-00 s CERAMIC 0.022uF 25V C105 1-162-292-31 s CERAMIC 680PF 10% 50V C108 1-162-288-31 s CERAMIC 330PF 10% 50V C109 1-162-288-31 s CERAMIC 330PF 10% 50V 1-161-375-00 s CERAMIC 0.0022uF 20% 50V C114 1-124-927-11 s ELECT 4.7uF 20% 100V C117 1-162-282-31 s CERAMIC 100PF 10% 50V 1-162-207-31 s CERAMIC 22PF 5% 50V C118 C120 C123 1-162-282-31 s CERAMIC 100PF 10% 50V 1-161-494-00 s CERAMIC 0.022uF 25V C126 C127 1-162-215-31 s CERAMIC 47PF 5% 50V 1-162-286-31 s CERAMIC 220PF 10% 50V 1-162-282-31 s CERAMIC 100PF 10% 50V C128 C206C210 1-162-294-31 s CERAMIC 0.001uF 10% 50V 1-162-282-31 s CERAMIC 100PF 10% 50V C213 C216 1-162-282-31 s CERAMIC 100PF 10% 50V 1-162-282-31 s CERAMIC 100PF 10% 50V 1-162-282-31 s CERAMIC 100PF 10% 50V C217 C218 C219 1-101-006-00 s CERAMIC 0.047uF 50V C221 1-101-006-00 s CERAMIC 0.047uF 50V 1-101-006-00 s CERAMIC 0.047uF 50V C223 C225 1-101-006-00 s CERAMIC 0.047uF 50V C227 1-162-282-31 s CERAMIC 100PF 10% 50V 1-506-470-11 o CONNECTOR, 5P, MALE CN1 CN2 1-506-471-11 o CONNECTOR, 6P, MALE 1-506-470-11 o CONNECTOR, 5P, MALE CN3 1-506-467-11 o CONNECTOR, 2P, MALE CN4 CN5 1-506-469-11 o CONNECTOR, 4P, MALE

(SY-121A BOARD) (SY-121A BOARD) Ref. No. Ref. No. or Q'ty Part No. SP Description or Q'ty Part No. SP Description 1-506-477-11 o CONNECTOR, 12P, MALE 1013 8-759-345-38 s IC HD14538BP 1-506-469-11 o CONNECTOR, 4P, MALE CN7 IC14 8-759-202-11 s IC TC74HC00P CN8 1-506-475-11 o CONNECTOR, 10P, MALE 8-759-240-69 s IC TC4069UBP 1015 1-506-468-11 o CONNECTOR, 3P, MALE CN9 IC101 8-759-912-64 s IC PA0009 CN10 1-506-469-11 o CONNECTOR, 4P, MALE 8-759-705-62 s IC NJM4562D-D 10102 1-506-477-11 o CONNECTOR, 12P, MALE CN11 IC103 8-759-202-24 s IC TC74HC86P CN12 1-506-475-11 o CONNECTOR, 10P, MALE 8-759-729-03 s IC N.IM2903D 10201 1-506-468-11 o CONNECTOR, 3P, MALE CN13 IC202 8-759-729-03 s IC N.IM2903D CN14 1-506-477-11 o CONNECTOR, 12P, MALE 8-759-729-03 s IC NJM2903D 1C203 1-506-477-11 o CONNECTOR, 12P, MALE CN15 1C204 8-759-240-71 s IC TC4071BP 1-506-477-11 o CONNECTOR, 12P, MALE CN16 IC205 8-759-207-73 s IC TC4030BPHB 1-506-468-11 o CONNECTOR, 3P, NALE CN17 1C206 8-759-205-76 s IC TC504013BP 1-506-473-11 o CONNECTOR, 8P, MALE CN18 1-506-475-11 o CONNECTOR, 10P, MALE CN19 L1 1-410-514-11 s INDUCTOR 27uH CN20 1-506-468-11 o CONNECTOR, 3P, MALE 1-410-521-11 s INDUCTOR 100uH 1.2 L101 1-410-522-11 s INDUCTOR 120uH 1-506-469-11 o CONNECTOR, 4P, MALE CN21 CN22 1-506-471-11 o CONNECTOR, 6P, MALE 01 8-729-900-89 s TRANSISTOR DTC144ES 1-506-468-11 o CONNECTOR, 3P, MALE **CN23** 8-729-900-89 s TRANSISTOR DTC144ES 02 8-729-900-89 s TRANSISTOR DTC144ES 03 CV1 1-141-227-00 s CAP, TRIMMER 20PF 04 8-729-900-89 s TRANSISTOR DTC144ES 8-729-117-54 s TRANSISTOR 2SA1175-F 05 D1 8-719-200-02 s DIODE 10E2 8-719-200-02 s DIODE 10E2 D2û6 8-729-117-54 s TRANSISTOR 2SA1175-F 8-719-200-02 s DIODE 10E2 D307 8-729-117-54 s TRANSISTOR 2SA1175-F 8-719-200-02 s DIODE 10E2 n4 08 8-729-201-05 s TRANSISTOR 2SC2878-B D31 8-719-911-19 s DIODE ISS119 011 8-729-900-89 s TRANSISTOR DTC144ES Q101 8-729-117-54 s TRANSISTOR 2SA1175-F D32 8-719-200-02 s DIODE 10E2 8-719-911-19 s DIODE 1SS119 033 0102 8-729-900-89 s TRANSISTOR DTC144ES 8-719-815-87 s DIODE 1S1587 034 8-729-600-27 s TRANSISTOR 2SC634-SP7 0103 D101 8-719-911-19 s DIODE 1SS119 0104 8-729-117-54 s TRANSISTOR 2SA1175-F 8-719-911-19 s DIODE 1SS119 D102 7)0105 8-729-900-89 s TRANSISTOR DTC144ES 8)0105 8-729-900-36 s TRANSISTOR DTC124ES 0103 8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119 D104 0106 8-729-900-89 s TRANSISTOR DTC144ES D201 8-719-911-19 s DIODE 1SS119 8-729-900-65 s TRANSISTOR DTA144ES 0107 D202 8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119 D203 R103 1-247-899-11 s CARBON 680K 5% 1/4W 1-247-901-11 s CARBON 820K 5% 1/4W R115 D204 8-719-911-19 s DIODE 1SS119 1-247-881-00 s CARBON 120K 5% 1/4W R126 8-719-911-19 s DIODE 1SS119 0205 1-247-887-00 s CARBON 220K 5% 1/4W R204 D207 8-719-911-19 s DIODE ISS119 1-247-887-00 s CARBON 220K 5% 1/4W R212 D208 8-719-911-19 s DIODE 1SS119 8-719-911-19 s DIODE 1SS119 0209 R220 1-247-887-00 s CARBON 220K 5% 1/4W R228 1-247-895-00 s CARBON 470K 5% 1/4W D210 8-719-911-19 s DIODE ISS119 R235 1-247-887-00 s CARBON 220K 5% 1/4W 8-719-911-19 s DIODE 1SS119 D211 R237 1-247-903-00 s CARBON 1M 5% 1/4W D301 8-719-911-19 s DIODE 1SS119 R243 1-247-887-00 s CARBON 220K 5% 1/4W D302 8-719-911-19 s DIODE 1SS119 R245 1-247-903-00 s CARBON 1M 5% 1/4W IC1 8-752-805-87 s IC CXP80116-0090 8-759-972-64 s IC MB88323A-K2 1C2 RB1 1-231-410-00 s RESISTOR BLOCK 10Kx8 8-759-202-92 s IC TC74HC151P 1C3 1-231-410-00 s RESISTOR BLOCK 10Kx8 RR2 8-759-202-92 s IC TC74HC151P 1C4 IC5 8-759-800-72 s 1C LA7205 1-230-496-11 s RES, ADJ, METAL 10K RV1 1-228-994-00 s RES, ADJ, METAL 10K 1-228-993-00 s RES, ADJ, METAL 4.7K 8-759-708-05 s IC N.IM78L05A RV2 106 8-743-430-00 s IC BX343 RV3 **IC7** 8-759-205-56 s 1C TA7267P 108 IC9 8-759-205-56 s IC TA7267P S1 1-570-857-11 s SWITCH, SLIDE 1-570-857-11 s SWITCH, SLIDE IC10 8-759-202-37 s IC TC74HC4050P S2 S3 1-570-857-11 s SWITCH, SLIDE IC11 8-759-600-34 s IC M54532P

NOTE: Please see the General Purpose Electrical List of capacitors and resistors that are not listed in the parts list.

8-759-645-23 s IC M54523P

IC12

X1

1-577-076-11 s CRYSTAL, 16.000MHz

TC-49A B	OARD
Ref. No. or Q'ty	Part No. SP Description
	A-6717-504-A o MOUNTED CIRCUIT BOARD, TC-49A 3-657-153-00 o HINGE 3-646-090-00 s RIVET, NYLON
BT1	1-528-229-11 o BATTERY, LITHIUM CR-2450
C1 C2 C3 C4 C5	1-162-207-31 s CERAMIC 22PF 5% 50V 1-162-207-31 s CERAMIC 22PF 5% 50V 1-161-494-00 s CERAMIC 0.022uF 25V 1-126-176-11 s ELECT 220uF 20% 10V 1-162-207-31 s CERAMIC 22PF 5% 50V
C9	1-162-207-31 s CERAMIC 22PF 5% 50V 1-161-374-11 s CERAMIC 0.0015uF 20% 50V 1-126-094-11 s ELECT 4.7uF 20% 35V 1-124-465-00 s ELECT 0.47uF 20% 50V 1-162-210-31 s CERAMIC 30PF 5% 50V
C12 C14	1-162-210-31 s CERAMIC 30PF 5% 50V 1-161-494-00 s CERAMIC 0.022uF 25V 1-161-494-00 s CERAMIC 0.022uF 25V 1-126-176-11 s ELECT 220uF 20% 10V 1-124-261-00 s ELECT 10uF 20% 50V
C18 C19 C20	1-126-176-11 s ELECT 220uF 20% 10V 1-161-494-00 s CERAMIC 0.022uF 25V 1-161-494-00 s CERAMIC 0.022uF 25V 1-124-589-11 s ELECT 47uF 20% 16V 1-126-094-11 s ELECT 4.7uF 20% 35V
C26 C27 C28	1-162-199-31 s CERAMIC 10PF 5% 50V 1-162-282-31 s CERAMIC 100PF 10% 50V 1-124-589-11 s ELECT 47UF 20% 16V 1-161-494-00 s CERAMIC 0.022UF 25V 1-161-379-00 s CERAMIC 0.01UF 20% 25V
C30	1-161-494-00 s CERAMIC 0.022uF 25V 1-161-379-00 s CERAMIC 0.01uF 20% 25V
CN2 CN3 CN4	1-506-477-11 o CONNECTOR, 12P, MALE 1-506-489-11 o CONNECTOR. 10P, MALE 1-564-013-00 o CONNECTOR, 3P, MALE 1-506-489-11 o CONNECTOR, 10P, MALE 1-506-489-11 o CONNECTOR, 10P, MALE
1)COR1 2)COR1	1-564-947-11 s CONNECTOR, 2P, MALE 1-565-240-11 s HEADDER, PIN, 2P
D2 5 D3 5 D4 5	8-719-200-02 s D10DE 10E2 8-719-911-19 s D10DE 1SS119 8-719-120-65 s D10DE RD5.6ESL2 8-719-200-02 s D10DE 10E2 8-719-911-19 s D10DE 1SS119
0)1C1 1 1C2 1 1C3 1	8-759-630-98 s IC M50747-123SP 8-759-633-52 s IC M50747-123SP 8-759-944-79 s IC CXD1132Q 8-759-141-20 s IC CXD1133Q-321 8-759-645-16 s IC M54516P
106 8 107 8	8-759-645-16 s IC M54516P 8-759-240-69 s IC TC4069UBP 8-759-340-46 s IC HD14046BP 8-759-947-53 s IC S-8054ALR
Q2 8- NOTE: Pleas of ca	-459-155-00 s COIL 45uH -729-117-54 s TRANSISTOR 2SA1175-F se see the General Purpose Electrical List apacitors and resistors that are not listed in parts list.

(TC-49A BOARD)

Ref. No.	
or Q'ty	Part No. SP Description
Q3	8-729-117-54 s TRANSISTOR 2SA1175-F
Q4	8-729-117-54 s TRANSISTOR 2SA1175-F
Q5	8-729-117-54 s TRANSISTOR 2SA1175-F
Q6	8-729-117-54 s TRANSISTOR 2SA1175-F
Q7	8-729-117-54 s TRANSISTOR 2SA1175-F
Q8	8-729-117-54 s TRANSISTOR 2SA1175-F
3)09	8-729-820-06 s TRANSISTOR 2SD1685-F
4)09	8-729-820-07 s TRANSISTOR 2SD1685-G
010	8-729-900-89 s TRANSISTOR DTC144ES
R3	1-247-903-00 s CARBON 1M 5% 1/4W
R7	1-247-895-00 s CARBON 470K 5% 1/4W
R11	1-247-903-00 s CARBON IM 5% 1/4W
X1	1-567-132-00 s RESONATOR, CERAMIC 8.00MHz
X2	1-567-867-11 s CRYSTAL, 14.500MHz
Х3	1-567-865-11 s CRYSTAL. 12.00MHz

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TR-18 BOARD
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Ref. No.

or Q'ty Part No. SP Description

1-611-279-13 o PRINTED CIRCUIT BOARD, TR-18 8-749-020-80 s DME DM-208 UR-14E
-----Ref. No.
or Q'ty Part No. SP Description

⚠1-413-249-12 s SWITCHING REGULATOR, UR-14E

```
C101
      ⚠1-161-742-00 s CERAMIC 2200PF 20% 400V
      ⚠1-161-742-00 s CERAMIC 2200PF 20% 400V
C102
      1-161-742-00 s CERAMIC 2200PF 20% 400V
C103
      1-161-742-00 s CERAMIC 2200PF 20% 400V
C104
C105
      ∆1-136-185-00 s FILM
                              0.22uF 20% 250V
      ∆1-136-185-00 s FILM
C106
                              0.22uF 20% 250V
C107
      1-161-742-00 s CERAMIC 2200PF 20% 400V
      ∆1-161-742-00 s CERAMIC 2200PF 20% 400V
C108
C109
        1-124-961-00 s ELECT
                              220
                                     20% 200V
C110
        1-124-023-00 s ELECT
                              4.7
                                     20% 350V
C111
        1-124-023-00 s ELECT
                                      20% 350V
                               4.7
        1-124-549-00 s ELECT
C112
                               100
                                      20% 10V
        1-124-961-00 s ELECT
C113
                               220
                                      20% 200V
        1-124-549-00 s ELECT
C114
                               100
                                     20% 10V
C201
        1-106-351-00 s MYLAR
                              0.0022 5% 200V
C202
        1-106-351-00 s MYLAR
                              0.0022 5% 200V
C203
        1-161-825-11 s CERAMIC 220PF 10% 500V
C204
        1-161-825-11 s CERAMIC 220PF
                                     10% 500V
C205
        1-161-825-11 s CERAMIC 220PF
                                     10% 500V
        1-161-825-11 s CERAMIC 220PF
C206
                                     10% 500V
        1-123-357-00 s ELECT
C207
                              22
                                     20% 50V
        1-106-351-00 s MYLAR
C209
                              0.0022 5% 200V
C210
        1-136-153-00 s MYLAR
                              0.01
                                      5% 50V
        1-106-351-00 s MYLAR
C211
                              0.0022 5% 200V
C212
        1-124-556-00 s ELECT
                              2200
                                     20% 16V
C213
        1-124-556-00 s ELECT
                               2200
                                     20% 16V
        1-124-556-00 s ELECT
C214
                                     20% 16V
                               2200
        1-124-556-00 s ELECT
C215
                               2200
                                     20% 16V
        1-123-326-00 s ELECT
C216
                               3300
                                     20% 16V
C217
        1-123-332-00 s ELECT
                               47
                                     20% 50V
C651
        1-124-445-00 s ELECT
                               100
                                     20% 16V
                              3300PF 2% 100V
C652
        1-130-591-11 s MYLAR
C653
        1-136-141-00 s MYLAR
                              1000PF 10% 50V
C654
        1-136-165-00 s MYLAR
                              0.1
                                     5% 50V
C655
        1-123-318-00 s ELECT
                              33
                                         16V
```

▲1-561-218-11 o HOUSING, 3P ▲1-561-254-11 o CONTACT

CN201 1-560-438-00 o RECEPTACLE, 5P

1-561-424-11 o HOUSING, 5P 1-561-432-11 o CONTACT

 D101
 8-719-300-00 s LB-156

 D201
 8-719-908-00 s ESAC33-02CS

 D202
 8-719-908-00 s ESAC33-02CS

 D203
 8-719-900-93 s V09C

 D204
 8-719-900-93 s V09C

 D205
 8-719-815-55 s
 \$ 151555

 D206
 8-719-100-61 s
 \$ RD11EB2

 D208
 8-719-101-67 s
 \$ R07.5EL2

 D209
 8-719-100-30 s
 \$ R05.1EB2

 D210
 8-719-100-30 s
 \$ R05.1EB2

D651 8-719-200-02 s 10E-2

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(UR-14E)
Ref. No.
or Q'ty Part No.
                     SP Description
0652
         8-719-100-70 s RD15EB1
D653
         8-719-815-55 s 1S1555
         1-543-060-00 s CORE
FB101
         1-543-060-00 s CORE
FB102
FR201
         1-543-060-00 s CORE
FB202
         1-543-060-00 s CORE
FB203
         1-543-060-00 s CORE
FB204
         1-543-060-00 s CORE
FB205
         1-543-060-00 s CORE
FB206
         1-543-060-00 s CORE
FB207
         1-543-060-00 s CORE
FB208
         1-543-060-00 s CORE
IC651
         8-759-937-00 s MB3759
       1-421-848-11 s LINE FILTER
L101
         1-421-849-11 s CHOKE, 2.4 mH
L201
1.203
         1-408-316-00 s CHOKE
L204
         1-421-850-11 s CHOKE, 12
         1-421-329-00 s CHOKE
L205
Q101
         8-729-901-72 s 2SC3317
         8-729-901-72 s 2SC3317
0102
Q103
         8-729-100-13 s 2SC2001
0104
         8-729-100-13 s 2SC2001
Q201
         8-729-606-34 s 2SC2603-G
Q202
         8-729-117-54 s 2SA1175-F
         1-214-947-00 s METAL
R101
                                  2.7M 1% 1/2W
R102
       1-205-636-11 s CEMENT
                                  3.3 5% 5W
R103
         1-246-529-00 s CARBON
                                  220k 5% 1/4W
R104
         1-246-529-00 s CARBON
                                  220k 5% 1/4W
       1-212-934-00 s METAL
R105
                                       5% 1/2W
R106
         1-247-700-11 s NF CARBON 100 5% 1/4W
R107
         1-246-529-00 s CARBON
                                  220k 5% 1/4W
         1-246-529-00 s CARBON
R108
                                  220k 5% 1/4W
R109
       1-212-934-00 s METAL
                                  1
                                       5% 1/2W
R110
         1-247-700-11 s NF CARBON 100 5% 1/4W
R201
       1-206-475-00 s METAL
                                  33
                                      5% 2W
                                  0.02 2W
         1-535-369-00 s SHUNT
R202
R203
       1-213-151-00 s METAL
                                  4.7k 5% 5W
R204
         1-247-713-11 s NF CARBON 1k 5% 1/4W
         1-247-719-11 s NF CARBON 3.3k 5% 1/4W
R205
R206
         1-249-455-11 s NF CARBON 4.7k 5% 1/4W
         1-247-717-11 s NF CARBON 2.2k 5% 1/4W
R207
         1-247-123-00 s NF CARBON 470 5% 1/4W
R208
R209
         1-247-704-11 s NF CARBON 220 5% 1/4W
         1-247-857-00 s NF CARBON 220 5% 1/2W
R212
R651
         1-249-425-11 s NF CARBON 4.7k 5% 1/6W
RV651
         1-228-644-00 s VAR. METAL 1k 0.3W
T101
       △1-448-423-11 G CONVERTER
       ▲1-437-120-00 s DRIVE
T102
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VR-69 BOARD

Ref. No.
or Q'ty Part No. SP Description

1-626-308-11 o PRINTED CIRCUIT BOARD, VR-69

RV2 1-237-719-11 s RES, VAR, CARBON 100K
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17-4. PACKING MATERIAL AND ACCESSORIES (SUPPLIED)

PACKING

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. . . . .
FRAME
Ref. No.
or Q'ty Part No.
                     SP Description
         A-6050-575-A s BRUSH ASS'Y
         A-6050-576-A s RING ASS'Y, SLIP
         A-6050-582-A s HEAD DRUM ASS'Y, DBH-12A-R
         A-6762-377-A s DRUM ASS'Y, UPPER, DBR-12-R
       M1-413-249-12 o SWITCHING REGULATOR, UR-14E
         1-559-265-11 o FLAT CABLE (CASSETTE UP COMPARTMENT)
CN1001
        1-561-781-11 s RECEPTACLE, BNC "VIDEO OUT"
        1-507-858-31 o JACK, PIN 1P "VIDEO OUT"
CN1002
         1-507-858-41 o JACK, PIN 1P "CH-1/3 OUT"
CN1003
         1-507-858-51 o JACK, PIN 1P "CH-2/4 OUT"
1-507-858-21 o JACK, PIN 1P "MONITOR"
CN1004
CN1005
CN1006
         1-509-095-00 s RECEPTACLE, 8P "MONITOR OUT"
CN1007 ▲1-560-222-11 s INLET, 3P
H1005
         8-825-771-11 s HEAD, AT PS244-2103C "AUDIO/TC"
H1008
         8-825-554-73 s HEAD, CTL PS244-21A "CTL"
         1-543-316-21 s SENSOR "TAPE BEGINING"
         1-543-316-21 s SENSOR "TAPE END"
L2
         8-835-179-01 s MOTOR, DC MCB2B15 "THREADING"
M1001
         8-835-179-01 s MOTOR, DC MCB2B15 "L/S POSITION"
M1006
M1003
         8-835-259-02 s MOTOR, DC BHF-1918A "CAPSTAN"
         A-6737-175-A s MOTOR ASS'Y "S-REEL"
M1004
         A-6737-175-A s MOTOR ASS'Y "T-REEL"
M1005
M1007
         1-541-376-11 s MOTOR, DC DNR-4700A "UP/DOWN"
         1-454-417-41 s SOLENOID "S-BRAKE"
PM1001
         1-454-417-41 s SOLENOID "T-BRAKE"
PM1002
        1-454-338-00 s SOLENOID "PINCH"
PM1003
$1001 ▲1-570-117-41 s ROCKER "POWER"
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Ref. No.
or Q'ty Part No. SP Description

1-556-760-11 s CORD, POWER (3 CORE)
1-557-637-11 s CABLE, COMMANDER
3-701-624-00 s BAG, POLY (FOR REMOTE CONTROL UNIT)
3-701-632-00 s BAG, POLY (FOR MANUAL)
3-701-647-00 s BAG, POLY (FOR BVW-22)

3-727-008-01 o INDIVIDUAL CARTON
3-725-064-01 o CUSHION, UPPER
3-725-065-01 o CUSHION, LOWER
3-727-018-01 o TOP COVER
1-463-944-11 o REMOTE CONTROL UNIT, RM-770

Standard
products s BATTERY, SUM-3
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17-5. FIXTURE (OPTION)

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FIXTURE
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Ref. No.

or Q'ty Part No. SP Description

- J-6001-820-A o DRUM ECCENTRICITY GAUGE (3)
- J-6001-830-A o DRUM ECCENTRICITY GAUGE (2)
- J-6001-840-A o DRUM ECCENTRICITY GAUGE (1)
- J-6031-820-A o MULTI CONNECTOR CABLE (DIBNC)
- J-6080-011-A o REEL TABLE TENSION GAUGE
- J-6086-570-A o FLATNESS PLATE
- J-6087-000-A o DRUM ECCENTRICITY GAUGE (5)
- J-6152-450-A o WIRE CLEARANCE GAUGE
- J-6190-800-A o TENSION REGULATOR SLANTNESS CHECK GAUGE
- J-6320-680-A o REEL TABLE HEIGHT GAUGE
- J-6320-870-A o REEL MOTOR SHAFT SLANTNESS CHECK GAUGE
- J-6320-880-A o CASSETTE REFERENCE PLATE
- Y-2031-001-0 o CLEANING FLUID
- 2-034-697-00 o CLEANING PIECE
- 7-723-902-00 o INSPECTION MIRROR
- 7-732-050-20 o TENSION SCALE (50G FULL SCALE)
- 7-732-050-30 o TENSION SCALE (100G FULL SCALE)
- 8-960-096-51 o ALIGNMENT TAPE, CR2-1B PS
- 8-960-096-91 o ALIGNMENT TAPE, CR5-1B PS
- 8-960-098-37 o ALIGNMENT TAPE, CR5-1A PS
- 9-911-053-00 o THICKNESS GAUGE
- Standard
- products

HEAD DEMAGNETIZER (HE-4)